

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1764

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1764

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ser Ile Ser Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Glu Tyr Asp Ile Leu Thr Gly Leu Leu Gln Gly Met Asp  
 100 105 110

Val Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln  
 130 135 140

Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys  
 145 150 155 160

Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys  
 165 170 175

Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro  
 180 185 190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Asn Thr Ala  
 195 200 205

Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220

Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly  
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1765

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1765

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110



Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr  
 130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr  
 145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln  
 165 170 175

Lys Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg  
 180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr  
 195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
 210 215 220

Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly  
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1766

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1766

Glu Val Thr Leu Lys Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Gly Asp Tyr  
 20 25 30

Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Gly Phe Ile Arg Ser Lys Ala Tyr Gly Gly Thr Thr Glu Tyr Ala Ala  
 50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr  
 65 70 75 80

Leu Tyr Leu Gln Met Thr Ser Leu Arg Ala Glu Asp Ser Ala Val Tyr  
85 90 95

Tyr Cys Val Arg Arg Asp Ile Leu Thr Gly Phe Tyr Asp Ser Trp Gly  
100 105 110

Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro  
130 135 140

Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly  
145 150 155 160

Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Arg Leu  
165 170 175

Pro Gly Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn Asp Gln Arg Pro  
180 185 190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Gly  
195 200 205

Ser Leu Val Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr  
210 215 220

Cys Ala Ser Trp Asp Asp Ser Leu Asn Gly Arg Val Phe Gly Gly Gly  
225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
245

<210> 1767

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1767

Glu Val Gln Leu Val His Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Tyr  
20 25 30

Val Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Arg Ile Ile Pro Ile Leu Gly Thr Ala Asn Leu Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Leu Thr Lys Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Thr Gly Tyr Arg Asn Asp Trp Tyr Gly Ala Phe Glu Ile Trp Gly  
 100 105 110

Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro  
 130 135 140

Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly  
 145 150 155 160

Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Arg Leu  
 165 170 175

Pro Gly Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn Asp Gln Arg Pro  
 180 185 190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Gly  
 195 200 205

Ser Leu Val Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220

Cys Ala Ser Trp Asp Asp Ser Leu Asn Gly Arg Val Phe Gly Gly Gly  
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1768

<211> 251

<212> PRT

<213> Homo sapiens

&lt;400&gt; 1768

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Gln Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Phe  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1769

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1769

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
20 25 30

Thr Met His Trp Met Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1770

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1770

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Thr Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Leu Pro Ile Phe Gly Pro Ala Arg Tyr Ala Glu Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Leu Thr Arg Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Lys Thr Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Gly Thr Ser Leu Met Asn Tyr Gly Met Asp Val Trp Gly  
 100 105 110

Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala  
 130 135 140

Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly  
 145 150 155 160

Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln  
165 170 175

His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg  
180 185 190

Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr  
195 200 205

Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly  
225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
245

<210> 1771

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1771

Gln Val Gln Leu Leu Gln Ser Ala Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Arg Ile Ser Pro Ile Leu Gly Thr Val Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Ile Ala Asp Lys Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Gly Pro Tyr Asp Ile Leu Thr Gly Tyr Tyr Arg Asp Ala Phe  
100 105 110

Asp Ile Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met  
 130 135 140

Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr  
 145 150 155 160

Ile Thr Cys Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr  
 165 170 175

Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser  
 180 185 190

Ser Leu Ala Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly  
 195 200 205

Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala  
 210 215 220

Thr Tyr Tyr Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly  
 225 230 235 240

Gly Thr Lys Leu Glu Ile Lys Arg  
 245

<210> 1772

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1772

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Asn Asn His  
 20 25 30

Ala Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Arg Val Leu Pro Phe Leu Gly Ala Thr Asn Tyr Ala Gln Asn Phe  
 50 55 60

Gln Gly Arg Val Thr Phe Thr Ala Asp Arg Ser Thr Ser Thr Ala Tyr  
 65 70 75 80



Met Glu Leu Ser Ser Leu Arg Phe Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Ala Thr His Tyr Asp Ile Leu Thr Gly Tyr Tyr Thr Ala Asp Ala  
100 105 110

Phe Asp Ile Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val  
130 135 140

Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr  
145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val  
165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr  
180 185 190

Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser  
195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu  
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg  
225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1773

<211> 258

<212> PRT

<213> Homo sapiens

<400> 1773

Gln Val Gln Leu Val Gln Ser Gly Pro Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Asp  
20 25 30

His Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Pro His His Gly Lys Thr Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Val Gln Met Asp Ser Glu Tyr Tyr Asp Leu Leu Thr Gly Ile  
 100 105 110

Asn Val Gly Pro Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Met Val  
 115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
 130 135 140

Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser  
 145 150 155 160

Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val  
 165 170 175

Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala  
 180 185 190

Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser  
 195 200 205

Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile  
 210 215 220

Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr  
 225 230 235 240

Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val  
 245 250 255

Leu Gly

&lt;210&gt; 17,74

&lt;211&gt; 251

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1774

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Phe Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1775

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1775

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Val Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1776

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1776

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Ala Ile His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Ala Asp Asn Ala Asn Thr Lys Tyr Ser Gln Lys Phe  
50 55 60

Gln Gly Arg Val Ala Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

2080

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1777

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1777

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Thr Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ser Thr Tyr  
20 25 30

Gly Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asp Thr Asn Tyr Ala Gln Glu Leu  
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Gly Asp Phe Gly Asp Tyr Asp Ile Leu Thr Gly Tyr Tyr Pro  
 100 105 110

Val Tyr Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Met Val Thr Val  
 115 120 125

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
 145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Gly Ser Leu Arg Ser Tyr Tyr Ala  
 165 170 175

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
 180 185 190

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
 195 200 205

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His  
 225 230 235 240

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1778

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1778

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Arg Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly His Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Pro Phe Gly Met  
100 105 110

Asp Val Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met  
130 135 140

Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr  
145 150 155 160

Ile Thr Cys Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr  
165 170 175

Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser  
180 185 190

Ser Leu Ala Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly  
195 200 205

Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala  
210 215 220

Thr Tyr Tyr Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly  
225 230 235 240

Gly Thr Lys Leu Glu Ile Lys Arg  
245

<210> 1779

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1779

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15



Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Gln Leu  
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Leu Trp Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Asp  
100 105 110

Asp Ala Phe Asp Ile Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln  
130 135 140

Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Glu Gln Ser  
145 150 155 160

Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn  
165 170 175

Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met  
180 185 190

Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser  
195 200 205

Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln  
210 215 220

Val Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser  
225 230 235 240

Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

&lt;210&gt; 1780

&lt;211&gt; 254

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1780

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Gln Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Leu Trp Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Asp  
 100 105 110

Asp Ala Phe Asp Ile Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser  
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln  
 130 135 140

Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser  
 145 150 155 160

Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn  
 165 170 175

Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met  
 180 185 190

Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser  
 195 200 205

Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln  
 210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser  
 225 230 235 240

Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1781  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 1781  
 Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Asn Asn Asn  
 20 25 30

Ala Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Met Phe Gly Thr Ala Lys Tyr Ser Gln Asn Phe  
 50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Ser  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Ser Arg Asp Leu Leu Leu Phe Pro His Tyr Gly Met Asp Val  
 100 105 110

Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp  
 130 135 140

Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln  
 145 150 155 160

Gly Asp Ser Leu Arg Gly Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro  
 165 170 175

Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser  
 180 185 190

Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser  
 195 200 205

Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
 210 215 220

Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr  
 225 230 235 240

Lys Leu Thr Val Leu Gly  
 245

<210> 1782

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1782

Lys Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ile Tyr  
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ala Ile Ser His Asn Ala Asp His Thr Tyr Ser Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Asn Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys  
 85 90 95

Ala Ala Thr Arg Met Asp Val Leu Thr Arg Tyr Tyr Ser Asp Phe Trp  
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro  
 130 135 140

Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr  
145 150 155 160

Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln  
165 170 175

Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys  
180 185 190

Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn  
195 200 205

Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp  
210 215 220

Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly  
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 1783

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1783

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
65 70 75 80

Met Glu Leu Ser Gly Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1784

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1784

Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Thr Ala Ser Glu Tyr Ser Phe Thr Lys Tyr  
 20 25 30

Asp Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1785  
<211> 248  
<212> PRT  
<213> Homo sapiens

<400> 1785  
Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Leu Ser His Tyr  
20 25 30

Ala Leu His Trp Val Arg Gln Ala Pro Gly Gln Arg Pro Glu Trp Met  
35 40 45

Gly Thr Ile Asn Thr Gly Asn Gly Asp Thr Lys Tyr Ser Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Arg Asp Thr Pro Ala Ser Thr Val Asn  
65 70 75 80

Met Glu Leu Ser Thr Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Gly Gly Tyr His Asp Thr Leu Thr Ser Tyr Asn Tyr Asn Trp Phe  
100 105 110

Asp Pro Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr  
130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr  
145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln  
165 170 175

Lys Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg  
180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr  
195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys His Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly  
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
245



<210> 1786  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<400> 1786  
 Glu Val Gln Leu Val Gln Ser Gly Ser Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Thr Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Gly Thr Tyr  
 20 25 30

Gly Val Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Pro His His Gly Lys Thr Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Gln Met Asp Ser Glu Tyr Tyr Asp Leu Leu Thr Gly Ile  
 100 105 110

Asn Val Gly Pro Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Met Val  
 115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
 130 135 140

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu  
 145 150 155 160

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr  
 165 170 175

Tyr Thr Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Leu Leu Val  
 180 185 190

Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro Gly Arg Phe Ser  
 195 200 205

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln  
 210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly  
 225 230 235 240

Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250 255

<210> 1787

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1787

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val  
 130 135 140

Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr  
 145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val  
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr  
 180 185 190

Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser  
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg  
 225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1788

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1788

Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Tyr  
 20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Leu Thr Arg Thr Val Tyr  
 65 70 75 80

Met Asp Leu Gly Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Thr Gly Met Gly Asp His Tyr Met Asp Val Trp Gly Arg Gly Thr  
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val  
 130 135 140

Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg  
145 150 155 160

Ser Tyr Tyr Thr Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Leu  
165 170 175

Leu Val Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg  
180 185 190

Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly  
195 200 205

Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser  
210 215 220

Ser Gly Asn His Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
225 230 235 240

Gly

<210> 1789

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1789

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Ser  
20 25 30

Pro Ile Asn Trp Leu Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ser Ile Ile Pro Ser Phe Gly Thr Ala Asn Tyr Ala Gln Arg Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala His  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys  
85 90 95

Ala Arg Glu Met Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Asn Tyr  
 100 105 110

Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val  
 130 135 140

Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Thr Val Thr  
 145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val  
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr  
 180 185 190

Glu Gly Ser Lys Gln Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser  
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg  
 225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1790

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1790

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Thr Ser Tyr  
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Lys Ile Asn Pro Ser Gly Thr Ser Val Thr Tyr Ala Gln Arg Phe  
 50 55 60

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Thr Ser Thr Asn Tyr  
65 70 75 80

Met Glu Val Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Ser Gln His Tyr Asp Ile Leu Thr Gly Tyr Ser Gln Glu Pro Phe  
100 105 110

Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr  
130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr  
145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln  
165 170 175

Lys Pro Gly Gln Ala Pro Val Pro Val Ile Tyr Gly Lys Asn Asn Arg  
180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr  
195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly  
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 1791

<211> 256

<212> PRT

<213> Homo sapiens

<400> 1791

Glu Val Gln Leu Val Gln Ser Gly Gly Val Val Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Asp  
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala  
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr  
 65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr  
 85 90 95

Tyr Cys Thr Thr Phe Asn Pro Thr Tyr Asp Ile Leu Thr Gly Tyr Tyr  
 100 105 110

Ile Gly Gly Tyr Phe Gln His Trp Gly Arg Gly Thr Leu Val Thr Val  
 115 120 125

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 130 135 140

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Ser Pro Gly  
 145 150 155 160

Gln Ser Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly  
 165 170 175

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
 180 185 190

Phe Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Val Ser Asn Arg  
 195 200 205

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
 210 215 220

Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Ser  
 225 230 235 240

Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250 255

&lt;210&gt; 1792

&lt;211&gt; 251

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1792

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220



Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1793

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1793

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Val Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Glu Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Pro Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1794

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1794

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Tyr  
20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Leu  
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Leu Thr Arg Thr Val Tyr  
65 70 75 80

Met Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Thr Gly Met Gly Asp His Tyr Gly Met Asp Val Trp Gly Arg Gly  
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala  
130 135 140

2101

Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser  
 145 150 155 160

Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly  
 165 170 175

Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly  
 180 185 190

Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu  
 195 200 205

Val Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala  
 210 215 220

Ser Trp Asp Asp Gly Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys  
 225 230 235 240

Leu Thr Val Leu Gly  
 245

<210> 1795

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1795

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ala Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1796

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1796

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asn Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Ile Ser Tyr Asp Gly Arg Ile Lys Asn Tyr Gly Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Gly Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Glu Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Thr Glu Val Arg Asn Tyr Asp Leu Leu Thr Arg Ser Tyr Leu Ala  
100 105 110

Gly Pro Leu Asp Asn Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln  
130 135 140

Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser  
145 150 155 160

Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn  
165 170 175

Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met  
180 185 190

Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser  
195 200 205

Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln  
210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser  
225 230 235 240

Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1797

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1797

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Gly Asp Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Gly Phe Ile Arg Ser Lys Ala Tyr Gly Gly Thr Thr Glu Tyr Ala Ala  
50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ile  
65 70 75 80

Ala Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr  
85 90 95

Tyr Cys Thr Thr Gln Tyr Tyr Asp Ile Leu Thr Gly Tyr Glu Leu Asp  
100 105 110

Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr  
130 135 140

Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser  
145 150 155 160

Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp  
165 170 175

Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly  
180 185 190

Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser  
195 200 205

Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu  
210 215 220

Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe  
225 230 235 240

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

&lt;210&gt; 1798

&lt;211&gt; 251

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1798

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Thr Val Lys Val Ser Cys Lys Val Ser Gly Phe Thr Phe Thr Lys Tyr  
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

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Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1799

<211> 258

<212> PRT

<213> Homo sapiens

<400> 1799

Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
 1 5 10 15

Thr Leu Ser Leu Ser Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn  
 20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu  
 35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Tyr Asn Asp Tyr Ala  
 50 55 60

Val Ser Val Lys Ser Arg Met Thr Ile Asn Pro Asp Thr Ser Arg Asn  
 65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val  
 85 90 95

Tyr Tyr Cys Ala Arg Glu Gly Ala His Tyr Asp Ile Leu Thr Gly His  
 100 105 110

Asn Tyr Tyr His Tyr Gly Met Asp Val Trp Gly Lys Gly Thr Met Val  
 115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly  
 130 135 140

Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser  
 145 150 155 160

Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val  
 165 170 175



Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala  
 180 185 190

Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser  
 195 200 205

Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile  
 210 215 220

Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr  
 225 230 235 240

Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val  
 245 250 255

Leu Gly

<210> 1800

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1800

Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1801  
 <211> 251  
 <212> PRT  
 <213> Homo sapiens

<400> 1801  
 Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Leu Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1802

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1802

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Ser Tyr  
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Lys Ile Asn Pro Ser Gly Thr Ser Val Thr Tyr Ala Gln Arg Phe  
 50 55 60

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Thr Ser Thr Asn Tyr  
 65 70 75 80

Met Glu Val Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Ser Gln His Tyr Asp Ile Leu Thr Gly Tyr Ser Gln Glu Pro Phe  
 100 105 110

Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1803

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1803

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15  
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30  
 Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45  
 Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60  
 Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80  
 Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95  
 Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110  
 Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125  
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Ala Leu  
 130 135 140  
 Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160  
 Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175  
 Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190  
 Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205  
 Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220  
 Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1804

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1804

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Arg Ile Ile Pro Ile Val Asn Met Ala Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Leu Thr Ala Asp Lys Ser Thr Gly Thr Val Tyr  
65 70 75 80

Met Glu Leu Thr Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Asn Tyr Asp Phe Leu Thr Gly Tyr Tyr Gly Ala Phe Asp  
100 105 110

Ile Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr  
130 135 140

Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser  
145 150 155 160

Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp  
165 170 175

Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly  
180 185 190

Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser  
195 200 205

Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu  
 210 215 220

Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe  
 225 230 235 240

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1805

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1805

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Tyr Ser Leu Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile  
 145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp  
 165 170 175

Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn  
 180 185 190

Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser  
 195 200 205

Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu  
 210 215 220

Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1806

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1806

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ile Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

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Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile  
 145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp  
 165 170 175

Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn  
 180 185 190

Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser  
 195 200 205

Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu Gln Ser Glu Asp Glu  
 210 215 220

Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser Leu Asn Gly Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1807  
 <211> 251  
 <212> PRT  
 <213> Homo sapiens

<400> 1807  
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Ala Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1808

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1808

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1809

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1809

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15  
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Gly Ser His  
 20 25 30  
 Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45  
 Gly Gly Ile Ile Pro Lys Tyr Ser Ala Pro Lys Tyr Ala Gln Glu Phe  
 50 55 60  
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80  
 Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Arg Gly Glu Tyr Asp Ile Leu Thr Gly Tyr Pro Tyr Trp Tyr Phe  
 100 105 110  
 Asp Leu Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125  
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140  
 Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile  
 145 150 155 160  
 Ser Cys Ser Gly Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp  
 165 170 175  
 Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val  
 180 185 190  
 Ser Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser  
 195 200 205  
 Gly Asn Ser Ala Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu  
 210 215 220  
 Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu  
 225 230 235 240

Phe Gly Thr Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1810

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1810

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

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Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Pro Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Pro Gly  
 245 250

<210> 1811

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1811

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1812

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1812

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Arg Arg Pro Gly Ala  
1 5 10 15

Ser Val Arg Val Ser Cys Arg Ala Ser Gly Tyr Thr Phe Thr Asn Tyr  
20 25 30

Ala Ile His Trp Ile Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Ala Ala Asn Gly Val Thr Asn Tyr Ser Asp Asp Phe  
50 55 60

Gln Asp Arg Val Thr Leu Thr Arg Asp Thr Ser Ala Arg Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile  
 145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp  
 165 170 175

Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn  
 180 185 190

Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser  
 195 200 205

Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu Gln Ser Glu Asp Glu  
 210 215 220

Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser Leu Asn Gly Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1813  
 <211> 253  
 <212> PRT  
 <213> Homo sapiens

<400> 1813  
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Tyr  
 20 25 30

Ala Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Met Phe Gly Thr Thr Arg Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr  
 65 70 75 80



Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Gly Ser Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Asp Asn  
100 105 110

Tyr Met Asp Val Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser  
130 135 140

Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile  
145 150 155 160

Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr  
165 170 175

Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile  
180 185 190

Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly  
195 200 205

Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala  
210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr  
225 230 235 240

Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1814

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1814

Gln Val Gln Leu Val Gln Ser Gly Gly Ser Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Val Ser Ser Asn  
20 25 30

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Val Ile Tyr Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys  
 50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu  
 65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
 85 90 95

Arg Gly Glu Gly Gly Tyr Asp Ile Leu Thr Gly Tyr Leu Arg Gly Tyr  
 100 105 110

Gly Met Asp Val Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser  
 130 135 140

Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile  
 145 150 155 160

Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr  
 165 170 175

Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile  
 180 185 190

Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly  
 195 200 205

Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala  
 210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr  
 225 230 235 240

Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1815

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1815

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15  
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Tyr  
 20 25 30  
 Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45  
 Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn His Ala Gln Lys Leu  
 50 55 60  
 Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Leu Thr Arg Thr Val Tyr  
 65 70 75 80  
 Met Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Thr Gly Met Gly Asp His Tyr Gly Met Asp Val Trp Gly Arg Gly  
 100 105 110  
 Thr Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125  
 Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Leu Ser Ala  
 130 135 140  
 Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser  
 145 150 155 160  
 Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly  
 165 170 175  
 Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly  
 180 185 190  
 Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu  
 195 200 205  
 Val Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala  
 210 215 220  
 Ser Trp Asp Asp Ser Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys  
 225 230 235 240

Leu Thr Val Leu Gly  
245

<210> 1816

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1816

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Asn Met Phe  
20 25 30

Ser Val Ser Trp Leu Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ser Ile Ile Pro Leu Leu Gly Ser Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Ile Thr Ile Thr Ala Asp Asp Pro Met Thr Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Lys Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr  
130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr  
145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln  
165 170 175

Lys Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg  
180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr  
195 200 205

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Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
 210 215 220

Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly  
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1817

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1817

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Ser Ile Lys Glu Asp Gly Thr Asp Lys Tyr Tyr Val Glu Ser Val  
 50 55 60

Arg Gly Arg Phe Gly Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Val Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Ser Tyr Tyr Asp Ile Leu Thr Gly Ile Ser Ser Leu Gly  
 100 105 110

Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu  
 130 135 140

Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile  
 145 150 155 160

Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln  
 165 170 175

Gln Lys Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys  
 180 185 190

Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn  
 195 200 205

Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp  
 210 215 220

Tyr Tyr Cys His Ser Arg Asp Ser Ser Gly Asn His Val Leu Phe Gly  
 225 230 235 240

Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1818

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1818

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Asn Asn Asn  
 20 25 30

Ala Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Met Phe Gly Thr Ala Lys Tyr Ser Gln Asn Phe  
 50 55 60

Gln Gly Arg Val Ala Ile Ile Ala Asp Glu Ser Thr Ser Thr Ala Ser  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Ser Arg Asp Leu Leu Leu Phe Pro His Tyr Gly Met Asp Val  
 100 105 110

Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp  
130 135 140

Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln  
145 150 155 160

Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro  
165 170 175

Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser  
180 185 190

Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser  
195 200 205

Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
210 215 220

Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr  
225 230 235 240

Lys Leu Thr Val Leu Gly  
245

<210> 1819

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1819

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr  
20 25 30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

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Gly Arg Thr Lys Asn Lys Gly Tyr Thr Thr Gln Tyr Ala Ala Ser Val  
 50 55 60

Lys Gly Arg Phe Ser Ile Ser Arg Asp Asp Leu Thr Asn Leu Leu Phe  
 65 70 75 80

Leu Gln Leu Asn Gly Leu Lys Thr Glu Asp Thr Ala Ile Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Pro Gly Val Ile Gly Asn Tyr Asp Tyr Trp Gly Arg Gly  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val  
 130 135 140

Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser  
 145 150 155 160

Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro  
 165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser  
 180 185 190

Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser  
 195 200 205

Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
 210 215 220

Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys  
 225 230 235 240

Leu Thr Val Leu Gly  
 245

<210> 1821

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1821

Gly Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ile Thr Phe Thr Asn Ala  
 20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Leu  
 35 40 45

Gly Arg Val Lys Ser Lys Val Asp Gly Gly Thr Val Asp Tyr Ala Ala  
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Leu Ile Asn Thr  
 65 70 75 80

Leu Phe Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Gly Val Tyr  
 85 90 95

Tyr Cys Thr Thr Gly Gly Met Ile Arg Ala Arg Glu Asp Tyr Tyr Tyr  
 100 105 110

Met Asp Val Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val  
 130 135 140

Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr  
 145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val  
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr  
 180 185 190

Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser  
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg  
 225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1822

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1822

Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

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Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1823

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1823

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110

Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr  
 130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Val Thr  
 145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln  
165 170 175

Lys Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg  
180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr  
195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly  
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 1824

<211> 251

<212> PRT.

<213> Homo sapiens

<400> 1824

Lys Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Pro  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1825  
 <211> 251  
 <212> PRT  
 <213> Homo sapiens

<400> 1825  
 Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1826

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1826

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser His  
20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Asp Ser Ser Ser Ser Thr Ile His Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Ile Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Ser Thr Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Phe Asp Tyr Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro  
130 135 140

Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly  
145 150 155 160

Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly  
165 170 175

Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly  
180 185 190

Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu  
195 200 205

Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn  
210 215 220

Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys  
225 230 235 240

Leu Thr Val Leu Gly  
245

<210> 1827

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1827



Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15  
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
 20 25 30  
 Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45  
 Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
 50 55 60  
 Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
 65 70 75 80  
 Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
 85 90 95  
 Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
 100 105 110  
 Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125  
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140  
 Thr Gln Pro Ala Ser Met Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160  
 Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175  
 Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190  
 Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205  
 Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220  
 Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
245 250

<210> 1828

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1828

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Arg Ile Ile Pro Ile His Gly Ile Val Asn His Ala Glu Lys Phe  
50 55 60

Gln Gly Arg Ala Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Leu Pro Pro Tyr Asp Met Leu Thr Gly Tyr Tyr Val Gly Gly  
100 105 110

Gly Met Asp Val Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Ala Gln  
130 135 140

Ala Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg  
145 150 155 160

Val Thr Ile Ser Cys Thr Gly Ser Arg Ser Asn Ile Gly Ala Gly Phe  
165 170 175

Asp Ile His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu  
180 185 190

Ile Tyr Ser Asn Asp Ile Arg Pro Ser Gly Val Pro Asp Arg Phe Ser  
195 200 205

Gly Ser Arg Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln  
210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu  
225 230 235 240

Ser Gly Tyr Val Phe Gly Thr Gly Thr Lys Leu Thr Val Leu Gly  
245 250 255

<210> 1829

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1829

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Thr Leu Thr Ser Tyr  
20 25 30

Thr Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Gly Ile Ile Pro Arg Phe Asp Ala Ala Asp Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Leu Thr Ile Ala Ala Asp Glu Leu Thr Asn Thr Val His  
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Gly Val Tyr Phe Cys  
85 90 95

Ala Arg Ala Lys Pro Tyr Thr Asp Phe Ser Arg Gly Ser Asp Ala Asp  
100 105 110

Ala Phe Asp Val Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu  
130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala  
 165 170 175

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
 180 185 190

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
 195 200 205

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His  
 225 230 235 240

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1830

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1830

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg  
 20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe  
 65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Lys Gly Thr Leu  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Ala Leu Pro Val Leu Thr Gln Pro Pro Ser Ala Ser  
 130 135 140

Val Ala Pro Gly Gln Thr Ala Arg Ile Ala Cys Gly Gly Asn Asn Ile  
 145 150 155 160

Gly Ser Gln Ala Val His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro  
 165 170 175

Val Leu Val Val Tyr Asp Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu  
 180 185 190

Arg Ile Ser Gly Ser Lys Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser  
 195 200 205

Arg Val Glu Ala Gly Asp Glu Ala Asp Phe Tyr Cys Gln Val Trp Asp  
 210 215 220

Gly Ser Ser Asp His Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val  
 225 230 235 240

Leu Gly

<210> 1831

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1831

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Phe Asn Trp Val Arg Arg Ala Pro Gly Gln Gly Leu Glu Trp Leu  
 35 40 45

Gly Ser Ile Val Pro Val Phe Asn Thr Lys Thr Phe Ala Arg Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Leu Thr Ala Asp Glu Leu Thr Arg Thr Ala Tyr  
 65 70 75 80

Leu Glu Leu Ser Asn Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Ser Arg Tyr Gly Asp Pro Phe Tyr Tyr Tyr Tyr Tyr Met Asn Val  
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr  
130 135 140

Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser  
145 150 155 160

Cys Thr Gly Ser Ser Ser Asn Ile Gly Lys Gly Tyr Asp Val His Trp  
165 170 175

Tyr Gln Gln Leu Pro Gly Lys Ala Pro Lys Leu Leu Met Tyr Asp Asn  
180 185 190

Asn Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser  
195 200 205

Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu  
210 215 220

Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Asn Leu Ser Gly Tyr Val  
225 230 235 240

Phe Gly Thr Gly Thr Gln Leu Thr Val Leu Ser  
245 250

<210> 1832

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1832

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Ser Phe Asn His Ala  
20 25 30

Ile Ser Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Met Gly  
35 40 45

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Gly Ile Leu Pro Met Tyr Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln  
 50 55 60

Gly Arg Val Thr Ile Thr Ala Asp Lys Leu Thr Asn Thr Val Tyr Met  
 65 70 75 80

Asp Leu Ser Arg Leu Arg Tyr Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
 85 90 95

Arg Glu Leu Gly Leu Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp  
 100 105 110

Met Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile  
 145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp  
 165 170 175

Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Ser Asn  
 180 185 190

Asn Arg Arg Pro Ser Gly Val Pro Glu Arg Phe Ser Gly Ser Lys Ser  
 195 200 205

Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Pro Glu Asp Glu  
 210 215 220

Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Lys Gly Trp Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1833

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1833

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Thr Phe Ser Gly Tyr  
20 25 30

Thr Val Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Arg Ile Asn Pro Met Ser Asn Gly Ala Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Leu Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Met Tyr Tyr Cys  
85 90 95

Ala Arg Gly Gly Tyr Asp Ile Leu Thr Gln Tyr Pro Ala Glu Phe Phe  
100 105 110

His Pro Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser  
130 135 140

Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val  
145 150 155 160

Thr Ile Thr Cys Gln Gly Asp Ser Val Arg Asn Phe Tyr Ala Ser Trp  
165 170 175

Tyr Gln Gln Lys Pro Gly Gln Ala Pro Leu Leu Val Ile Tyr Gly Gln  
180 185 190

Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Arg Ser  
195 200 205

Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu  
210 215 220

Gly Val Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Thr Asn Pro Val Val  
225 230 235 240



Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 1834

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1834

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg  
20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe  
65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Asp Gln Gly Thr Leu  
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser  
130 135 140

Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser  
145 150 155 160

Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln His Leu Pro Gly  
165 170 175

Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Lys Asn Arg Pro Ser Glu  
180 185 190

Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu  
195 200 205

2148

Ala Ile Thr Gly Leu Gln Pro Glu Asp Glu Ala Asp Tyr Tyr Cys Gln  
 210 215 220

Ser Tyr Asp Ser Ser Leu Ser Gly Pro Val Ala Phe Gly Gly Gly Thr  
 225 230 235 240

Lys Val Thr Val Leu Gly  
 245

<210> 1835

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1835

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Ile Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asn Asn Phe  
 20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Tyr Ser Ser Ser Thr Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Ile Gly Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Asn Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Arg Tyr Tyr Asp Ile Leu Thr Lys Gly Asp Tyr Tyr Tyr  
 100 105 110

Gly Met Asp Val Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Ala Leu  
 130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
 145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala  
165 170 175

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
180 185 190

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
195 200 205

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn Leu  
225 230 235 240

Val Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 1836

<211> 262

<212> PRT

<213> Homo sapiens

<400> 1836

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ala Ala Asn  
20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Thr Gly Ala Thr Lys Phe Ser Arg Lys Phe  
50 55 60

Glu Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Thr Thr Val Tyr  
65 70 75 80

Met Asp Leu Asn Arg Val Arg Phe Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Val Gln Gly Glu Thr Tyr Tyr Asp Ile Leu Thr Gly Tyr Trp  
100 105 110

Gly Pro Lys Arg Asp Leu Tyr Gly Met Asp Val Trp Gly Arg Gly Thr  
115 120 125

2150

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 130 135 140

Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val  
 145 150 155 160

Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Asn  
 165 170 175

Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro  
 180 185 190

Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asn Asp Ser Asn Arg Pro Ser  
 195 200 205

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser  
 210 215 220

Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala His Tyr Tyr Cys  
 225 230 235 240

Gln Ser Tyr Asp Asn Ser Leu Ser Ala Ser Ile Phe Gly Gly Gly Thr  
 245 250 255

Lys Leu Thr Val Leu Gly  
 260

<210> 1837

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1837

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Ser Phe Asn His Ala  
 20 25 30

Ile Ile Cys Trp Leu Gln Ala Pro Gly Arg Gly Leu Glu Trp Met Val  
 35 40 45

Gly Ile Leu Pro Met Tyr Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln  
 50 55 60

Gly Arg Val Thr Ile Thr Ala Asp Lys Leu Ala Ile Thr Ala Tyr Met  
65 70 75 80

Asp Leu Ile Arg Leu Arg Tyr Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

Arg Glu Leu Gly Leu Ser Ile Val Val Ala Thr Thr Gly Ala Leu Asp  
100 105 110

Met Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val  
130 135 140

Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys Val Ile Ile  
145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Thr Asn Ser Val Ser Trp  
165 170 175

Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn  
180 185 190

Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser  
195 200 205

Gly Thr Ser Ala Thr Leu Gly Ile Thr Gly Leu Gln Ser Gly Asp Glu  
210 215 220

Ala Asp Tyr Tyr Cys Gly Thr Arg Asp Ser Ser Leu Ser Ala Val Val  
225 230 235 240

Phe Gly Gly Gly Thr Gln Leu Thr Val Leu Ser  
245 250

<210> 1838

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1838

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Asn Asn Phe  
20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Thr Pro Leu Phe Gly Thr Pro Asn Tyr Ala Glu Arg Leu  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Leu Thr Arg Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Ser Glu Gly Gly Asp Tyr Thr Asn Pro Phe Gly Tyr Trp  
 100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Val Ile Gln  
 130 135 140

Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys  
 145 150 155 160

Thr Ser Ser Thr Gly Ala Val Thr Asn Asn Asn Tyr Pro Ser Trp Phe  
 165 170 175

Gln Gln Lys Pro Gly Gln Ala Pro Arg Pro Leu Ile Ser Trp Thr Asn  
 180 185 190

Asn Arg Pro Ser Trp Thr Pro Ala Arg Phe Ser Ala Tyr Leu Leu Gly  
 195 200 205

Gly Lys Ala Val Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala  
 210 215 220

Glu Tyr Tyr Cys Leu Leu Tyr Ser Gly Asp Ala Gln Leu Val Phe Gly  
 225 230 235 240

Gly Gly Thr Lys Val Thr Val Leu Gly  
 245

<210> 1839

<211> 245

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1839

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg  
 20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe  
 65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Lys Gly Thr Met  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser  
 130 135 140

Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser  
 145 150 155 160

Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly  
 165 170 175

Thr Ala Pro Lys Leu Leu Ile Tyr Gly Tyr Ile Asn Arg Pro Ser Gly  
 180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu  
 195 200 205

Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln  
 210 215 220

Ser Tyr Asp Thr Ser Leu Ser Asp Tyr Val Phe Gly Thr Gly Thr Lys  
 225 230 235 240

Val Thr Val Leu Gly  
 245

<210> 1840

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1840

Asp Val Gln Leu Leu Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Ser Phe Asn His Ala  
 20 25 30

Ile Ser Trp Leu Arg Gln Ala Pro Arg Arg Gly Leu Glu Trp Met Gly  
 35 40 45

Gly Ile Leu Pro Met Tyr Gly Thr Ala Tyr Tyr Ala Gln Lys Phe Gln  
 50 55 60

Gly Arg Val Thr Ile Thr Ala Asp Lys Leu Thr Asn Thr Val Tyr Met  
 65 70 75 80

Asp Leu Ser Arg Leu Arg Tyr Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
 85 90 95

Arg Glu Leu Gly Leu Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp  
 100 105 110

Met Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val  
 130 135 140

Thr Gln Pro Pro Ala Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile  
 145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Tyr Tyr Val Ser Trp  
 165 170 175

Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn  
 180 185 190

2155



Asp Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Val Ser Lys Ser  
 195 200 205

Gly Thr Ser Ser Thr Leu Ala Ile Thr Gly Leu Gln Thr Gly Asp Glu  
 210 215 220

Ala Asp Tyr Tyr Cys Gly Thr Trp Asp Ser Ser Leu Ser Ala Gly Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
 245 250

<210> 1841

<211> 258

<212> .PRT

<213> Homo sapiens

<400> 1841

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly Tyr  
 20 25 30

Ser Met Asn Trp Val Arg Leu Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Ser Ile Arg Ser Arg Ser Gly Gly Thr Tyr Ile Tyr Tyr Ala Asp  
 50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser  
 65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr  
 85 90 95

Tyr Cys Ala Arg Asp Pro Gly Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr  
 100 105 110

Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val  
 115 120 125

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 130 135 140

Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro  
145 150 155 160

Gly Gln Arg Val Thr Ile Pro Cys Thr Gly Ser Ser Ser Asn Ile Arg  
165 170 175

Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro  
180 185 190

Arg Leu Leu Ile Tyr Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp  
195 200 205

Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr  
210 215 220

Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp  
225 230 235 240

Thr Asn Leu Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val  
245 250 255

Leu Gly

<210> 1842

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1842

Glu Val Gln Leu Val Gln Ser Gly Ser Glu Val Glu Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser His  
20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Tyr Met  
35 40 45

Gly Gly Ile Met Pro Gly Phe Gly Lys Ser Ser Tyr Ala Pro Lys Phe  
50 55 60

Leu Gly Arg Leu Thr Ile Thr Ala Asp Asp Leu Thr Asn Thr Gly Tyr  
65 70 75 80

Met Glu Leu Thr Ser Leu Thr Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Thr Val Arg Leu Pro His His His Tyr Phe Met Ala Val Trp Gly  
 100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro  
 130 135 140

Pro Ser Val Ser Val Ser Pro Gly Gln Thr Ala Ile Ile Thr Cys Ser  
 145 150 155 160

Gly Asn Lys Leu Gly Asn Lys Tyr Ala Thr Trp Tyr Gln Gln Lys Pro  
 165 170 175

Gly Gln Pro Pro Val Ala Val Ile Tyr Glu Asp Asn Lys Arg Pro Ser  
 180 185 190

Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asp Thr Ala Thr  
 195 200 205

Leu Thr Ile Ser Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys  
 210 215 220

Gln Ala Trp Asp Ser Asp Thr Val Val Phe Gly Gly Gly Thr Lys Val  
 225 230 235 240

Thr Val Leu Gly

<210> 1843

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1843

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Thr Ala Ser Gly Gly Ile Phe Ser Ser Ser  
 20 25 30

Thr Phe Ser Trp Val Arg Gln Val Pro Gly Gln Gly Leu Glu Trp Leu  
 35 40 45

Gly Gly Ile Thr Pro Met Phe Ala Lys Ala Asp Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Glu Leu Thr Arg Thr Val Tyr  
 65 70 75 80

Met Asp Leu Ser Gly Leu Arg Pro Glu Asp Thr Ala Ile Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Ser Ser Ile Thr Val Asn Pro Pro Tyr Tyr Phe Tyr Gly  
 100 105 110

Met Asp Val Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser  
 130 135 140

Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Lys Gly Leu Arg Gln Thr  
 145 150 155 160

Ala Thr Leu Thr Cys Thr Ala Asn Thr Asn Asn Val Gly Ser His Gly  
 165 170 175

Ala Thr Trp Leu Gln His Arg Gln Gly His Pro Leu Lys Leu Leu Val  
 180 185 190

Tyr Arg Asp Glu Lys Arg Pro Ser Gly Ile Ser Glu Arg Leu Ser Ala  
 195 200 205

Ser Arg Ser Gly Asp Thr Ala Ser Leu Thr Ile Thr Gly Leu Gln Pro  
 210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Ser Gly Leu Ser  
 225 230 235 240

Ala Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1844

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1844

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg  
20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe  
65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Lys Gly Thr Leu  
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Ala Leu Glu Thr Thr Leu Thr Gln Ser Pro Ala Thr  
130 135 140

Leu Ser Val Ser Pro Gly Glu Ser Ala Thr Leu Ser Cys Arg Ala Ser  
145 150 155 160

Gln Ser Phe Ser Asn Asn Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln  
165 170 175

Gly Pro Arg Leu Leu Ile Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile  
180 185 190

Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr  
195 200 205

Ile Ile Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln  
210 215 220

Tyr Tyr Asp Trp Pro Ile Thr Phe Gly Arg Gly Thr Arg Leu Glu Ile  
225 230 235 240

Lys Arg

&lt;210&gt; 1845

&lt;211&gt; 244

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1845

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg  
 20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe  
 65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Arg Gly Thr Leu  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Ala Leu Ser Tyr Val Leu Thr Gln Pro Pro Ser Ala  
 130 135 140

Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser  
 145 150 155 160

Ser Asn Leu Gly Ile Asn Thr Val Asn Trp Tyr Gln Gln Val Pro Gly  
 165 170 175

Thr Ala Pro Lys Leu Leu Ile Tyr Ser Asp His Gln Arg Pro Ser Gly  
 180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Ala Thr Ser Ala Ser Leu  
 195 200 205

Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala  
 210 215 220

Ala Trp Asp Asp Ser Leu Asn Gly Val Phe Gly Gly Gly Thr Lys Leu  
 225 230 235 240

Thr Val Leu Gly

<210> 1846

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1846

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Gln Ala Ser Gly Tyr Thr Ile Thr Gly Tyr  
 20 25 30

Tyr Val His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Ser Thr Gly Gly Thr Lys Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Ser Ala Tyr  
 65 70 75 80

Met Glu Leu Thr Arg Leu Thr Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Ser Pro Glu Gly Asp Tyr Gln Pro Leu Ser Ser Asn Tyr Asn  
 100 105 110

Trp Leu Asp Pro Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Ala Gln  
 130 135 140

Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg  
 145 150 155 160

Val Thr Ile Ser Cys Ser Gly Ser Asp Ser Asn Ile Gly Ser Tyr Ala  
 165 170 175

Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Met  
 180 185 190

Ser Ser Asn Ser His Arg Ser Ser Gly Val Pro Asp Arg Phe Ser Gly  
 195 200 205

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Pro  
 210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Thr Leu Ser  
 225 230 235 240

Gly Arg Val Phe Gly Gly Gly Thr Gln Leu Ala Val Leu Ser  
 245 250

<210> 1847

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1847

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg Pro Ser Gly  
 1 5 10 15

Thr Leu Ser Leu Ala Cys Ser Val Ser Gly Asp Ser Ile Ser Asn Asn  
 20 25 30

Asn Trp Trp Thr Trp Val Arg Gln Ser Pro Arg Lys Gly Leu Glu Trp  
 35 40 45

Ile Gly Glu Ile Asn His Ser Gly Thr Thr Asn Tyr Asn Pro Ser Leu  
 50 55 60

Lys Thr Arg Val Ser Ile Ser Ala Asp Arg Ser Arg Asp His Leu Ser  
 65 70 75 80

Leu Glu Leu Lys Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Phe Cys  
 85 90 95

Ala Thr Gly Lys Glu Gly Tyr Asn Asp Asn Trp Gly Arg Gly Thr Met  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly  
 115 120 125



Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser  
 130 135 140

Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser  
 145 150 155 160

Asn Ile Gly Ala Asp Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly  
 165 170 175

Thr Ala Pro Arg Leu Leu Ile Tyr Gly Asn Asn Asn Arg Pro Ser Gly  
 180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu  
 195 200 205

Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln  
 210 215 220

Ser Tyr Asp Ser Ser Leu Ser Gly Ser Arg Val Phe Gly Thr Gly Thr  
 225 230 235 240

Lys Leu Thr Val Leu Gly  
 245

<210> 1848

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1848

Glu Val Gln Leu Val Gln Ser Gly Ala Asp Val Arg Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Asn Phe Met Asn Tyr  
 20 25 30

Asp Ile Asn Trp Val Arg Gln Ala Pro Gly Glu Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Met Asn Pro Lys Ser Gly Lys Thr Asp Ser Ala Glu Lys Phe  
 50 55 60

Glu Gly Arg Val Thr Met Thr Thr Asp Thr Ser Arg Asp Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Phe Cys  
 85 90 95

Ala Arg Gly Ser Gly Tyr Asp Leu Leu Thr Gly Tyr Phe Thr Gly Ser  
 100 105 110

Pro Leu Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu  
 130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
 145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Lys Tyr Tyr Glu  
 165 170 175

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Ile Leu Leu Tyr  
 180 185 190

Tyr Lys Asn Gly Arg Pro Ser Gly Met Pro Asp Arg Phe Ser Ala Ser  
 195 200 205

Arg Ser Gly Asn Thr Ala Thr Leu Thr Ile Thr Gly Ala Gln Ala Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Asn Ser Gly Thr Asp  
 225 230 235 240

Leu Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1849

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1849

Gln Met Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Gln Ala Ser Gly Tyr Thr Ile Thr Gly Tyr  
 20 25 30

Tyr Val His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Ser Thr Gly Gly Thr Lys Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Ser Ala Tyr  
65 70 75 80

Met Glu Leu Thr Arg Leu Thr Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Gly Ser Pro Glu Gly Asp Tyr Gln Pro Leu Ser Ser Asn Tyr Asn  
100 105 110

Trp Leu Asp Pro Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln  
130 135 140

Ala Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg  
145 150 155 160

Val Thr Ile Ser Cys Thr Gly Ser Thr Thr Asn Ile Gly Ala Gly Phe  
165 170 175

Ala Val His Trp Tyr Gln Gln Leu Pro Gly Ala Ala Pro Lys Leu Ile  
180 185 190

Ile Tyr Gly Asn Arg Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser  
195 200 205

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln  
210 215 220

Ser Gly Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu  
225 230 235 240

Lys Ala Val Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu Ser  
245 250 255

<210> 1850

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1850

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Leu Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr  
 20 25 30

Gly Leu His Trp Val Arg Gln Thr Pro Gly Gln Gly Leu Glu Trp Leu  
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Tyr Tyr Ser Gln Lys Leu  
 50 55 60

Gln Asp Arg Val Thr Leu Thr Thr Asp Thr Ser Thr Ser Thr Val Ser  
 65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Met Gly His Tyr Asp Ile Leu Thr Gly Tyr Arg His Tyr Gly  
 100 105 110

Met Asp Val Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Ala Gln Ala  
 130 135 140

Val Leu Thr Gln Pro Ser Ser Ala Ser Gly Thr Pro Gly Gln Arg Val  
 145 150 155 160

Thr Ile Ser Cys Ser Gly Gly Gly Ser Asn Ile Gly Ser Asn Ser Ala  
 165 170 175

Asn Trp Tyr Arg Gln Val Pro Gly Ala Ala Pro Glu Leu Val Ile Tyr  
 180 185 190

Ser Asn Asn Gln Arg Pro Ser Ala Val Pro Asp Arg Phe Ser Gly Ser  
 195 200 205

Lys Ser Gly Thr Ser Ala Ser Leu Val Ile Arg Gly Leu Arg Ser Glu  
 210 215 220

Asp Glu Ala Glu Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Arg Gly  
 225 230 235 240

Val Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
 245 250

<210> 1851  
 <211> 250  
 <212> PRT  
 <213> Homo sapiens

<400> 1851  
 Gln Val Gln Leu Gln Glu Ser Gly Gly Asp Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Trp Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val  
 35 40 45

Ser Arg Ile Lys Ser Asp Gly Ser Gly Thr Glu Tyr Glu Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Lys Ser Leu Arg Thr Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Asn Tyr Asp Ile Leu Thr Gly Tyr Pro His Asp Leu Trp  
 100 105 110

Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Glu Leu Thr  
 130 135 140

Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser  
 145 150 155 160

Cys Ser Gly Ser Ile Ser Asn Ile Gly Ser Asn Ile Val Asn Trp Tyr  
 165 170 175

Gln Gln Phe Pro Gly Met Ala Pro Lys Ile Leu Ile Gln Asn Asn Ser  
 180 185 190

Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly  
 195 200 205

Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala  
 210 215 220

Gln Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Arg Val Phe  
 225 230 235 240

Gly Thr Gly Thr Lys Val Thr Val Leu Gly  
 245 250

<210> 1852

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1852

Gln Val Gln Leu Val Gln Ser Gly Pro Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Thr His  
 20 25 30

Gly Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Gly Tyr Asn Gly Asn Thr Asn Phe Ala Gln Lys Val  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Phe Cys  
 85 90 95

Ala Arg Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr His Thr Pro Leu  
 100 105 110

Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val  
 130 135 140

Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Arg Arg Val Thr  
 145 150 155 160

Ile Ser Cys Ser Gly Asn Asp Ser Asn Val Ala Arg Asn Ser Val Asn  
 165 170 175

Trp Tyr Gln Gln Leu Pro Gly Ala Ala Pro Lys Leu Leu Ile Tyr Ser  
180 185 190

Asp Asp Arg Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp  
210 215 220

Glu Ala His Tyr Tyr Cys Gly Ala Trp Asp Asp Ser Leu Ser Gly Leu  
225 230 235 240

Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 1853

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1853

Gln Val Gln Leu Val Gln Ser Gly Ala Asp Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Asn Phe Met Asn Tyr  
20 25 30

Asp Ile Asn Trp Val Arg Gln Ala Pro Gly Glu Gly Leu Glu Trp Met  
35 40 45

Gly Trp Met Asn Pro Lys Ser Gly Lys Ser Asp Ser Ala Glu Lys Phe  
50 55 60

Glu Gly Arg Val Thr Met Thr Thr Asp Thr Ser Arg Asp Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Phe Cys  
85 90 95

Ala Arg Gly Ser Gly Tyr Asp Leu Leu Thr Gly Tyr Phe Thr Gly Ser  
100 105 110

Pro Leu Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu  
130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Lys Tyr Thr  
165 170 175

Asn Trp Phe Gln Gln Arg Pro Gly Gln Ala Pro Leu Leu Val Met Tyr  
180 185 190

Gly Gln His Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
195 200 205

Arg Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Thr Gln Ala Glu  
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Thr Val  
225 230 235 240

Leu Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1854

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1854

Glu Val Gln Leu Val Gln Ala Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Thr Ala Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Asp Asn Tyr  
20 25 30

Gly Ile Ala Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Ser Ala Tyr Asp Gly Asp Arg Asn Tyr Ala Gln Lys Leu  
50 55 60

Arg Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95



Ala Arg Asp Asp Arg Asp Ile Leu Thr Asn Tyr Tyr Leu Glu Tyr Phe  
 100 105 110

Gln His Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val  
 130 135 140

Leu Thr Gln Pro Pro Ser Val Ser Gly Ser Pro Gly Gln Ser Val Thr  
 145 150 155 160

Ile Ser Cys Ala Gly Thr Ser Ser Asn Ile Gly Pro Tyr Asn Tyr Val  
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Gln Ala Pro Lys Leu Ile Ile Tyr  
 180 185 190

Glu Val Thr Lys Arg Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser  
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Val Ser Gly Leu Gln Ser Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Ser Ile Gly Asn Phe Asn Leu  
 225 230 235 240

Gly Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1855

<211> 256

<212> PRT

<213> Homo sapiens

<400> 1855

Glu Val Gln Leu Val Gln Ser Gly Ala Asp Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Asn Phe Met Asn Tyr  
 20 25 30

Asp Ile Asn Trp Val Arg Gln Ala Pro Gly Glu Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Met Asn Pro Asn Ser Gly Lys Thr Asp Ser Ala Glu Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Ser Ser Arg Asp Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Phe Cys  
85 90 95

Ala Arg Gly Ser Gly Tyr Asp Val Leu Thr Gly Tyr Phe Thr Gly Ser  
100 105 110

Pro Leu Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln  
130 135 140

Ser Val Leu Thr Gln Pro Pro Ser Val Ser Gly Thr Pro Gly Gln Arg  
145 150 155 160

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Phe  
165 170 175

Val Ser Trp Tyr Gln Gln Phe Pro Gly Thr Ala Pro Lys Leu Leu Ile  
180 185 190

Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
195 200 205

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val  
210 215 220

Asp Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ala Ser Leu Ser  
225 230 235 240

Gly Arg Gly Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250 255

<210> 1856

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1856

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ser Ile Ser Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Gly Arg Tyr Asp Ile Leu Thr Gly Tyr Phe Thr Ser Phe Asp  
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu  
130 135 140

Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg  
145 150 155 160

Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Ser Tyr Ala Ser Trp Tyr  
165 170 175

Gln Gln Lys Pro Gly Gln Ala Pro Thr Leu Val Ile Phe Gly Lys Asn  
180 185 190

Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly  
195 200 205

Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala  
210 215 220

Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn Leu Pro Phe Gly  
225 230 235 240

Gly Gly Thr Lys Val Thr Val Leu Gly  
245

<210> 1857  
 <211> 254  
 <212> PRT  
 <213> Homo sapiens

<400> 1857  
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15  
 Thr Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Asp Asn Tyr  
 20 25 30  
 Gly Ile Ala Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45  
 Gly Trp Ile Ser Ala Tyr Asp Gly Asp Arg Asn Tyr Ala Gln Lys Leu  
 50 55 60  
 Arg Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80  
 Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Arg Asp Asp Arg Asp Ile Leu Thr Asn Tyr Tyr Leu Glu Tyr Phe  
 100 105 110  
 Gln His Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125  
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val  
 130 135 140  
 Leu Thr Gln Pro Pro Ser Val Ser Gly Ser Pro Gly Gln Ser Val Thr  
 145 150 155 160  
 Ile Ser Cys Ala Gly Thr Ser Ser Asn Ile Gly Pro Tyr Asn Tyr Val  
 165 170 175  
 Ser Trp Tyr Gln Gln His Pro Gly Gln Ala Pro Lys Leu Ile Ile Tyr  
 180 185 190  
 Glu Val Thr Lys Arg Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser  
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Val Ser Gly Leu Gln Ser Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Ser Ile Gly Asn Phe Asn Leu  
 225 230 235 240

Gly Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1858

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1858

Gln Met Gln Leu Val Gln Ser Arg Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Glu Ala Ser Ala Glu Leu Phe Ala Ser Ser  
 20 25 30

Asp Ile Asn Trp Val Arg Arg Ala Thr Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Val Asn Pro Ser Ser Gly Asn Ala Gly Tyr Ala Glu Lys Phe  
 50 55 60

Glu Gly Arg Val Ser Met Thr Thr Asn Ile Pro Lys Lys Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Thr Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Met Gly Ser  
 100 105 110

Ala Phe Asp Gln Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu  
 130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Asp Val Ser Val Ala Leu Gly Gln  
 145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Pro  
 165 170 175

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Phe  
180 185 190

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
195 200 205

Ser Ser Gly Asn Thr Ala Phe Leu Thr Ile Thr Gly Ala Gln Ala Glu  
210 215 220

Asp Glu Gly Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Thr Arg Ser His  
225 230 235 240

Leu Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu Ser  
245 250

<210> 1859

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1859

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr  
20 25 30

Gly Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Leu  
35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Tyr Tyr Ser Gln Lys Leu  
50 55 60

Gln Asp Arg Val Thr Leu Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Met Gly His Tyr Asp Ile Leu Thr Gly Tyr Arg His Tyr Gly  
100 105 110

Met Asp Val Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser  
130 135 140

Val Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Arg Val  
145 150 155 160

Thr Ile Ser Cys Ser Gly Gly Ser Ser Asn Ile Gly Lys Asn Tyr Val  
165 170 175

Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr  
180 185 190

Asp Asn Tyr Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
195 200 205

Lys Ser Ala Thr Ser Ala Thr Leu Gly Ile Thr Gly Leu Gln Thr Gly  
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Gly Thr Trp Asp Ser Ser Leu Ser Ala  
225 230 235 240

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1860

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1860

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg  
20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe  
65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Gln Gly Thr Leu  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Ala Leu Pro Val Leu Thr Gln Pro Pro Ser Ala Ser  
 130 135 140

Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Arg Thr Thr Ser  
 145 150 155 160

Asn Phe Gly Ser Asn Thr Val Asn Trp Tyr Gln Gln Ser Pro Gly Thr  
 165 170 175

Ala Pro Lys Leu Leu Ile Phe Ser Asn Asn Gln Arg Pro Ser Gly Val  
 180 185 190

Ser Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala Ser Ala Ser Leu Ala  
 195 200 205

Ile Ser Gly Leu Gln Ser Ala Asp Glu Ala Glu Tyr Tyr Cys Ala Ala  
 210 215 220

Trp Asp Asn Ser Leu Asn Gly Phe Leu Ser Phe Gly Gly Gly Thr Lys  
 225 230 235 240

Val Thr Val Leu Gly  
 245

<210> 1861  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 1861  
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Ser Phe Asn His Ala  
 20 25 30

Ile Ser Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Met Gly  
 35 40 45



Gly Ile Leu Pro Met Tyr Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln  
 50 55 60

Gly Arg Val Thr Ile Thr Ala Asp Lys Leu Thr Asn Thr Val Tyr Met  
 65 70 75 80

Asp Leu Ser Arg Leu Arg Tyr Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
 85 90 95

Arg Glu Leu Gly Leu Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp  
 100 105 110

Met Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu  
 130 135 140

Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Lys Val Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Asn Ser Asn Leu Gly Ala Pro Tyr Gly Val Gln  
 165 170 175

Trp Tyr Gln Gln Leu Pro Gly Lys Ala Pro Arg Leu Leu Ile Tyr Asp  
 180 185 190

Asp Asn Ile Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Gln  
 195 200 205

Ser Gly Thr Ser Val Ser Leu Ala Ile Thr Gly Leu Gln Ala Asp Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Gln Ser Phe Asp Ser Gly Leu Ser Gly Ser  
 225 230 235 240

Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1862

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1862

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

2180

Ser Val Lys Val Ser Cys Glu Ala Ser Ala Glu Leu Phe Ala Ser Ser  
20 25 30

Asp Ile Asn Trp Val Arg Arg Ala Thr Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Val Asn Pro Ser Ser Gly Asn Ala Gly Tyr Ala Glu Lys Phe  
50 55 60

Glu Gly Arg Val Ser Met Thr Thr Asn Ile Pro Lys Lys Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Gly Thr Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Met Gly Ser  
100 105 110

Ala Phe Asp Gln Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln  
130 135 140

Ser Val Val Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg  
145 150 155 160

Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asn Ile Gly Ala Asp Tyr  
165 170 175

Asp Val His Trp Tyr Arg Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu  
180 185 190

Ile Tyr Gly Asn Asn Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser  
195 200 205

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Asp Ile Ser Gly Leu Gln  
210 215 220

Ala Asp Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Phe Asp Arg Ser Leu  
225 230 235 240

Arg Gly Ser Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250 255

<210> 1863  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 1863  
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg  
 20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe  
 65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Arg Gly Thr Leu  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro Thr Val  
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Arg Gly Asp Ile  
 145 150 155 160

Leu Arg Asn Tyr Tyr Ala Asn Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
 165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Ser Arg Pro Ser Gly Ile Pro  
 180 185 190

Asp Arg Phe Ser Ala Ser Asn Thr Gly Lys Thr Ser Ser Leu Thr Ile  
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg  
 210 215 220

Asp Ser Ser Gly Asn Pro Gln Val Phe Gly Gly Gly Thr Gln Leu Thr  
 225 230 235 240

Val Leu Ser

<210> 1864

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1864

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Lys  
 1 5 10 15

Thr Leu Ser Leu Thr Cys Gly Val Tyr Gly Asp Ser Ser Ser Ser Ser  
 20 25 30

Asn Trp Trp Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp  
 35 40 45

Ile Gly Glu Ile His His Ser Gly Thr Thr Asn Tyr Asn Pro Ser Leu  
 50 55 60

Asn Ser Arg Val Ser Ile Ser Leu Asp Lys Ser Thr Asn Gln Phe Ser  
 65 70 75 80

Leu Asn Leu Asn Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Gly Arg Asp Val Gln Gly Ala Pro Tyr Trp Gly Arg Gly Thr Leu  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser  
 130 135 140

Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Thr Ser Ser  
 145 150 155 160

Asn Ile Gly Ala Asp Tyr Tyr Val His Trp Tyr Gln Gln Leu Pro Gly  
 165 170 175

Thr Ala Pro Lys Val Leu Ile Tyr Gly Asn Ser Asn Arg Pro Ser Gly  
 180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu  
 195 200 205

Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln  
 210 215 220

Thr Tyr Asp Ser Ser Leu Ser Gly Trp Val Phe Gly Gly Gly Thr Lys  
 225 230 235 240

Leu Thr Val Leu Gly  
 245

<210> 1865

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1865

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Leu  
 35 40 45

Gly Trp Ile Asn Thr Asn Ser Gly Asp Thr Asn Tyr Ala Gln Lys Ile  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Thr Thr Ser Tyr  
 65 70 75 80

Met Glu Leu Met Ser Leu Gly Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Val Glu Gly Val Tyr Asp Ile Leu Thr Gly Tyr Ser Phe Asp  
 100 105 110

Ala Phe Asp Ile Trp Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Ala Gln  
 130 135 140

Ser Val Val Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg  
 145 150 155 160

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr  
 165 170 175

Val Asn Trp Tyr Gln Gln Leu Pro Gly Ala Ala Pro Lys Leu Leu Ile  
 180 185 190

Tyr Ala Asn Ser Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
 195 200 205

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser  
 210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Val Trp Asp Asp Ser Leu Asn  
 225 230 235 240

Gly Trp Val Phe Ala Gly Gly Thr Lys Val Thr Val Leu Gly  
 245 250

<210> 1866  
 <211> 254  
 <212> PRT  
 <213> Homo sapiens

<400> 1866  
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Gln Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Pro Glu Gly  
 100 105 110

Gly Trp Phe Asp Pro Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala  
 130 135 140

Leu Ser Ser Glu Leu Thr Gln Asp Pro Ala Ala Ser Val Ala Leu Gly  
 145 150 155 160

Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Lys Tyr Asp  
 165 170 175

Pro Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile  
 180 185 190

Tyr Ala Lys Asn Asn Arg Pro Thr Gly Ile Ser Asp Arg Phe Ser Gly  
 195 200 205

Ser Ile Ser Gly Asn Thr Gly Ser Leu Thr Ile Thr Gly Ala Gln Pro  
 210 215 220

Glu Asp Glu Ala Glu Tyr Tyr Cys Gly Ser Arg Asp Ser Ser Gly Thr  
 225 230 235 240

His Leu Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1867

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1867

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Ser Phe Asn His Ala  
 20 25 30

Ile Ser Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Met Gly  
 35 40 45

Gly Ile Leu Pro Met Tyr Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln  
 50 55 60

Gly Arg Val Thr Ile Thr Ala Asp Lys Leu Thr Asn Thr Val Tyr Met  
 65 70 75 80

Asp Leu Ser Arg Leu Arg Tyr Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
 85 90 95

Arg Glu Leu Gly Leu Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp  
 100 105 110

Met Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu  
 130 135 140

Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg  
 145 150 155 160

Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Ser Tyr Ala Ser Trp Tyr  
 165 170 175

Gln Gln Lys Pro Gly Gln Ala Pro Val Met Val Met Phe Gly Glu Asn  
 180 185 190

Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly  
 195 200 205

Asn Thr Ala Ser Leu Thr Ile Thr Gly Thr Gln Ala Glu Asp Glu Ala  
 210 215 220

Asp Tyr Tyr Cys Asn Ser Arg Gly Ser Ile Gly Ser His Val Glu Phe  
 225 230 235 240

Gly Gly Gly Thr Gln Leu Thr Val Leu Ser  
 245 250

<210> 1868

<211> 257

<212> PRT

<213> Homo sapiens

<400> 1868

Glu Val Gln Leu His Glu Ser Gly Pro Gly Leu Leu Lys Pro Ser Gln  
 1 5 10 15



Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn  
20 25 30

Ser Ala Ala Trp Asn Trp Ile Thr Gln Ser Pro Ser Thr Gly Leu Glu  
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Pro Lys Trp Tyr Asn Asp Tyr Ala  
50 55 60

Val Ser Ala Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn  
65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val  
85 90 95

Tyr Tyr Cys Ala Arg Asp Lys Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr  
100 105 110

Tyr Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Met Val Thr  
115 120 125

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
130 135 140

Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro  
145 150 155 160

Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly  
165 170 175

Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro  
180 185 190

Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn  
195 200 205

Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser  
210 215 220

Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr  
225 230 235 240

Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
245 250 255

2188

Gly

&lt;210&gt; 1869

&lt;211&gt; 251

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1869

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe  
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1870

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1870

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe  
 100 105 110

Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160

2190

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1871

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1871

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe  
100 105 110

Asp Tyr Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr  
130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr  
145 150 155 160

Cys Gln Gly Asp Ser Leu Gly Ser Tyr Tyr Thr Asn Trp Phe Gln Gln  
165 170 175

Lys Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg  
180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr  
195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly  
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 1872

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1872

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe  
100 105 110

Asp Tyr Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Glh Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1873

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1873

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Lys Tyr Asp Ile Leu Thr Gly Tyr Tyr Asp Ala Phe Asp  
 100 105 110

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln  
 130 135 140

Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys  
 145 150 155 160

Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln Lys  
 165 170 175

Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg Pro  
 180 185 190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala  
 195 200 205

Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220

Cys His Ser Arg Asp Ser Ser Gly Asn His Val Leu Phe Gly Gly Gly  
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1874

<211> 252

<212> PRT

<213> Homo sapiens

&lt;400&gt; 1874

Gln Val Asn Leu Arg Glu Ser Gly Gly Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ser Asn Thr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Ala Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Met Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Asn Tyr  
 100 105 110

Met Asp Val Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val  
 130 135 140

Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr  
 145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val  
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr  
 180 185 190

Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser  
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg  
 225 230 235 240



Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1875

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1875

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Pro Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Met Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Asn Tyr  
100 105 110

Met Asp Val Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val  
130 135 140

Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr  
145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val  
165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr  
180 185 190

Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser  
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg  
 225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1876

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1876

Gln Val Asn Leu Arg Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Ser Val Arg Asn Asp Gly Ser Asn Thr Tyr Tyr Thr Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Val Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe  
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met  
 130 135 140

Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly Asp Arg Val Thr  
 145 150 155 160

Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala Trp Tyr  
 165 170 175

Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu Ile Tyr Lys Ala Ser  
 180 185 190

Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly  
 195 200 205

Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala  
 210 215 220

Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp Thr Phe Gly Gln  
 225 230 235 240

Gly Thr Lys Leu Glu Ile Lys Arg  
 245

<210> 1877

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1877

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Glu Asp Thr Val Val Tyr Tyr Cys  
 85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe  
 100 105 110

Asp Tyr Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr  
 130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr  
 145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln  
 165 170 175

Lys Pro Gly Gln Ala Pro Leu Pro Val Val Tyr Ala Lys Asn Lys Arg  
 180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr  
 195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
 210 215 220

Tyr Cys His Ser Arg Asp Ser Ser Gly Asn His Val Leu Phe Gly Gly  
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1878  
 <211> 251  
 <212> PRT  
 <213> Homo sapiens

<400> 1878  
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe  
100 105 110

Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1879

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1879

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe  
 100 105 110

Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met  
 130 135 140

Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly Asp Arg Val Thr  
 145 150 155 160

Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala Trp Tyr  
 165 170 175

Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu Ile Tyr Lys Ala Ser  
 180 185 190

Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly  
 195 200 205

Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala  
 210 215 220

Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp Thr Phe Gly Gln  
 225 230 235 240

Gly Thr Lys Leu Glu Ile Lys Arg  
 245

<210> 1880

<211> 253

<212> PRT

<213> Homo sapiens

&lt;400&gt; 1880

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Ser His Tyr Asp Ile Leu Thr Gly Tyr Tyr Ser Asn Pro  
 100 105 110

Ser Phe Asp Ile Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser  
 130 135 140

Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile  
 145 150 155 160

Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr  
 165 170 175

Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile  
 180 185 190

Tyr Lys Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly  
 195 200 205

Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala  
 210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr  
 225 230 235 240

2202

Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1881

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1881

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Ser Gly Ser Tyr Tyr Tyr Asp Ala Phe Asp Ile Trp Gly  
100 105 110

Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Ser Pro  
130 135 140

Ser Thr Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg  
145 150 155 160

Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala Trp Tyr Gln Gln Lys Pro  
165 170 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Ser Leu Gln Ser  
180 185 190



Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr  
 195 200 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys  
 210 215 220

Gln Gln Ala Asn Ser Phe Pro Leu Thr Phe Gly Gly Gly Thr Lys Val  
 225 230 235 240

Glu Ile Lys Arg

<210> 1882

<211> 239

<212> PRT

<213> Homo sapiens

<400> 1882

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Val Ser Ser Asp Gly Gly Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Lys Thr Gly Ser Gly Phe Asp Tyr Trp Gly Arg Gly Thr Leu Val  
 100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala  
 130 135 140

Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Gly Ile  
 145 150 155 160

Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys  
165 170 175

Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro Ser Arg  
180 185 190

Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser  
195 200 205

Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Ser Asn  
210 215 220

Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg  
225 230 235

<210> 1883

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1883

Lys Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Thr Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Gly Ile Ser Tyr Asp Gly Ala Lys Glu Tyr Tyr Gly Asp Pro Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Lys Thr Leu Asn  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Gly Tyr Arg Thr Asn Asp Ala Leu Asp Ile Trp Gly Gln  
100 105 110

Gly Thr Leu Ala Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser  
130 135 140

Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala  
145 150 155 160

Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly  
165 170 175

Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly  
180 185 190

Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu  
195 200 205

Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln  
210 215 220

Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu  
225 230 235 240

Ile Lys Arg

<210> 1884

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1884

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Arg Pro Gly Lys Gly Leu Glu Trp Ile  
35 40 45

Ala Phe Ile Gly Ser Asp Gly Ser Asn Lys Tyr Tyr Gly Asp Thr Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Gly Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Trp Asp Met Asp Val Trp Gly Gln Gly Thr Met Val Thr  
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Ser His Val Ile Leu Thr Gln Pro Arg Ser Val Ser Gly Ser  
 130 135 140

Pro Gly Gln Ser Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val  
 145 150 155 160

Gly Gly Tyr His Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala  
 165 170 175

Pro Arg Leu Met Ile Tyr Glu Val Thr Lys Arg Pro Ser Gly Val Ser  
 180 185 190

Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile  
 195 200 205

Ser Gly Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr  
 210 215 220

Thr Ser Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val  
 225 230 235 240

Leu Gly

<210> 1885

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1885

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val  
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr  
65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Arg  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser  
130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Met Ser Cys Thr Gly  
145 150 155 160

Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln  
165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn Thr Asn Arg  
180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Thr Ser  
195 200 205

Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Phe Cys Gln Ser Tyr Asp Ile Thr Leu Ser Ala Val Phe Gly Thr Gly  
225 230 235 240

Thr Lys Val Thr Val Leu Gly  
245

<210> 1886

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1886

Gly Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Arg Phe Ser Asp Tyr  
20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ser Ile Thr Gly Ser Gly Gly Gly Thr His Tyr Ala Gly Ser Val  
50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr  
65 70 75 80

Leu Gln Met Asn Asn Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Ser Phe Val Leu Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly  
130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly  
145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg  
180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr  
210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 1887

<211> 241

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1887

Glu Val Gln Leu Val Gln Ser Arg Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Phe Ser Ser Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Arg Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Thr Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Lys Trp Thr Ser Ser Gly Ala Phe Asp Ile Trp Gly Arg Gly Thr  
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu  
 130 135 140

Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu  
 145 150 155 160

Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala  
 165 170 175

Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro  
 180 185 190

Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile  
 195 200 205

Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr  
 210 215 220

Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
 225 230 235 240

Arg

<210> 1888

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1888

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Arg Pro Gly Lys Gly Leu Glu Trp Ile  
 35 40 45

Ala Phe Ile Gly Ser Asp Gly Ser Asn Lys Tyr Tyr Gly Asp Thr Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Gly Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Trp Asp Met Asp Val Trp Gly Gln Gly Thr Met Val Thr  
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser His Val Ile Leu Thr Gln Pro Arg Ser Val Ser Gly Ser Pro  
 130 135 140

Gly Gln Ser Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly  
 145 150 155 160

Gly Tyr His Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro  
 165 170 175

Arg Leu Met Ile Tyr Glu Val Thr Lys Arg Pro Ser Gly Val Ser Asn  
 180 185 190

2211



Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser  
 195 200 205

Gly Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr  
 210 215 220

Ser Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 225 230 235 240

Gly

<210> 1889

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1889

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Asn Ile Lys Gln Asp Gly Ser Glu Lys Tyr Tyr Val Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Asn Leu His Ala Ala Phe Asp Ile Trp Gly Arg Gly Thr  
 100 105 110

Leu Val Thr Val Ser Gly Gly Gly Gly Gly Ser Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu  
 130 135 140

Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu  
145 150 155 160

Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala  
165 170 175

Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro  
180 185 190

Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile  
195 200 205

Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr  
210 215 220

Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
225 230 235 240

Arg

<210> 1890

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1890

Gln Met Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Tyr Tyr Tyr His Ser Ser Gly Ser Asp Ala Phe Asp Ile Trp  
100 105 110

2213

Gly Gln Gly Thr Leu Val Thr Val Pro Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro  
 130 135 140

Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser  
 145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Arg  
 165 170 175

Leu Pro Gly Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn Asn Gln Arg  
 180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser  
 195 200 205

Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr  
 210 215 220

Tyr Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Trp Val Phe Gly Gly  
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1891

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1891

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Cys Tyr  
 20 25 30

Asp Val Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Arg Ile Asn Pro Asn Ser Gly Asn Thr His Tyr Ala Gln Lys Phe  
 50 55 60

Gln Asp Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Asn Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Phe Cys  
85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Val Asp Asn Phe Glu Tyr Trp  
100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln  
130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys  
145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln  
165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln  
180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala  
195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn  
210 215 220

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly  
225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly  
245

<210> 1892

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1892

Gln Val Thr Leu Lys Glu Ser Gly Gly Asp Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Phe Met Ser Tyr  
20 25 30

2215

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ser Ile Ser Gly Ser Gly Asp Asn Thr Tyr Tyr Gly Asp Ser Val  
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Phe  
 65 70 75 80

Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Phe Tyr Tyr Cys  
 85 90 95

Ala Lys Val His Ser Thr Gly Tyr Ala Phe Glu Asn Trp Gly Arg Gly  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser  
 130 135 140

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser  
 145 150 155 160

Ser Ser Asn Ile Gly Ala Gly Tyr Asn Val His Trp Tyr Gln Gln Leu  
 165 170 175

Pro Gly Thr Ala Pro Arg Leu Leu Ile Ser Ser Asn Thr Asn Arg Pro  
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala  
 195 200 205

Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220

Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Phe Val Phe Gly Thr Gly  
 225 230 235 240

Thr Lys Val Thr Val Leu Gly  
 245

<210> 1893

<211> 254

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1893

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Arg Asp Val Ser Thr Thr Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Ala Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Leu Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Tyr Ser Gly Tyr His Tyr Val Glu Gly Gly Ser Tyr Ala  
 100 105 110

Met Asp Val Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser  
 130 135 140

Tyr Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg  
 145 150 155 160

Val Thr Ile Thr Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Tyr Tyr  
 165 170 175

Val Asn Trp Tyr Gln Gln Val Ser Gly Thr Ala Pro Lys Leu Ile Ile  
 180 185 190

Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
 195 200 205

Ser Lys Ser Gly Ala Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser  
 210 215 220

Glu Asp, Glu Ala Asp Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg  
 225 230 235 240

Glu Phe Val Phe Gly Thr Gly Thr Lys Val Thr Val Leu Gly  
 245 250

<210> 1894

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1894

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Ser Tyr  
 20 25 30

Gly Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Val Ser Gly Asn Arg Gly Asn Thr Gln Tyr Ala Gln Lys Phe  
 50 55 60

Gln Asp Arg Val Arg Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Phe Cys  
 85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp  
 100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln  
 130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys  
 145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln  
 165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln  
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala  
195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn  
210 215 220

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly  
225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly  
245

<210> 1895

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1895

Glu Val Gln Leu Val Gln Ser Gly Ala Ala Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr  
20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Val Asn Gly Asn Thr Ile Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Gly Thr Val Asn  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Phe Tyr Cys  
85 90 95

Val Arg Glu Gly Gly Gly Asp Ala Tyr Asp Val Ala Pro Tyr Tyr Phe  
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val  
130 135 140



Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr  
145 150 155 160

Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val  
165 170 175

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr  
180 185 190

Gly Asn Ser His Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser  
195 200 205

Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu  
210 215 220

Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser Gly  
225 230 235 240

Trp Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1896

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1896

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Ala Gly Asn Gly Asn Thr Lys Tyr Ser Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Gly Pro Gly Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln  
100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Leu Glu Thr Thr Leu Thr Gln Ser  
 130 135 140

Pro Gly Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys  
 145 150 155 160

Arg Ala Ser Gln Ala Ile Gly Ser Asn Tyr Leu Ala Trp Tyr Gln Gln  
 165 170 175

Lys Pro Gly Gln Pro Pro Ser Leu Leu Ile Tyr Gly Ala Ser Ser Arg  
 180 185 190

Ala Thr Gly Ile Pro Asp Arg Phe Ser Ala Ser Gly Ser Gly Thr Asp  
 195 200 205

Phe Thr Leu Thr Ile Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr  
 210 215 220

Tyr Cys Gln Gln Tyr Gly Ser Ser Ile Thr Phe Gly Gln Gly Thr Arg  
 225 230 235 240

Leu Glu Ile Lys Arg  
 245

<210> 1897

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1897

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr  
65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Gln  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro  
130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly  
145 150 155 160

Ser Ser Ser Asn Ile Gly Ala Asp Tyr Asp Val His Trp Tyr Gln Leu  
165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Thr Asn Arg  
180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser  
195 200 205

Ala Ser Leu Thr Ile Ala Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Ser Val Val Phe Gly  
225 230 235 240

Gly Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 1898

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1898

Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Tyr Ser Ser Tyr  
20 25 30

2222

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Leu Asp Phe Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr  
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro  
 130 135 140

Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Thr Ser Asn Ile Gly  
 145 150 155 160

Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
 165 170 175

Phe Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Val Ser Asn Arg  
 180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
 195 200 205

Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Ser  
 210 215 220

Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

<210> 1899

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1899

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Gly  
 1 5 10 15  
 Ser Val Lys Val Ser Cys Lys Ala Ser Ala Tyr Thr Phe Thr Arg Tyr  
 20 25 30  
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45  
 Gly Ile Ile Asn Pro Ser Gly Gly Arg Thr Ser Tyr Ala Gln Lys Phe  
 50 55 60  
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80  
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Arg Asp Leu Gly Ile Ala Gly Thr Ile Tyr Phe Asp Tyr Trp Gly  
 100 105 110  
 Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly  
 115 120 125  
 Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro  
 130 135 140  
 Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly  
 145 150 155 160  
 Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His  
 165 170 175  
 Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro  
 180 185 190  
 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala  
 195 200 205  
 Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220  
 Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly  
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
245

<210> 1900

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1900

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Thr Gly Tyr  
20 25 30

Phe Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Leu Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Ala Ser Arg Asp Ile Val Val Leu Pro Leu Ala Ile Trp  
100 105 110

Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser  
130 135 140

Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys  
145 150 155 160

Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys  
165 170 175

Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala  
180 185 190

Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe  
195 200 205

2225

Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr  
 210 215 220

Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys  
 225 230 235 240

Leu Glu Ile Lys Arg  
 245

<210> 1901

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1901

Glu Val Gln Leu Val Gln Ser Arg Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Phe Ser Ser Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Arg Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Thr Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Lys Trp Thr Ser Ser Gly Ala Phe Asp Ile Trp Gly Arg Gly Thr  
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu  
 130 135 140

Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu  
 145 150 155 160

Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala  
 165 170 175

Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro  
 180 185 190

Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile  
 195 200 205

Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr  
 210 215 220

Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
 225 230 235 240

Arg

<210> 1902

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1902

Gln Met Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Leu Val His Pro Asn Asp Gly Ser Val Asn Tyr Ala Gln Lys Phe  
 50 55 60

Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Arg Gly Ser Gly Trp Pro Asn Trp Tyr Phe Asp Leu Trp  
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125



Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser  
130 135 140

Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys  
145 150 155 160

Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys  
165 170 175

Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala  
180 185 190

Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe  
195 200 205

Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr  
210 215 220

Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys  
225 230 235 240

Leu Glu Ile Lys His  
245

<210> 1903  
<211> 247  
<212> PRT  
<213> Homo sapiens

<400> 1903  
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Glu Tyr Thr Phe Tyr Asn His  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Ser Gly Asp Ala Ala Trp Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Thr Arg Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Gly Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Ser Gly Ala Gly Gly Tyr Tyr Tyr Asp Asp Tyr Trp Gly  
100 105 110

Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Val Leu Thr Gln  
130 135 140

Pro Pro Ser Val Ser Val Ala Pro Gly Lys Thr Ala Ser Ile Pro Cys  
145 150 155 160

Gly Gly Asn Asn Ile Gly Ser Lys Ser Val Gln Trp Tyr Leu Gln Lys  
165 170 175

Ala Gly Gln Ala Pro Ile Leu Val Val Tyr Asp Asp Ser Asp Arg Pro  
180 185 190

Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala  
195 200 205

Thr Leu Thr Ile Thr Arg Val Glu Ala Gly Asp Glu Ala Asp Tyr Tyr  
210 215 220

Cys Gln Val Trp Asp Ser Ser Ser Asp His Trp Phe Phe Gly Gly Gly  
225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
245

<210> 1904

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1904

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Ser Tyr  
20 25 30

Gly Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Val Ser Gly Asn Arg Gly Asn Thr Gln Tyr Ala Gln Lys Phe  
 50 55 60

Gln Asp Arg Val Arg Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Asp Val Tyr Phe Cys  
 85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp  
 100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln  
 130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys  
 145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln  
 165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln  
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala  
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn  
 210 215 220

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly  
 225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly  
 245

<210> 1905

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1905

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

&lt;210&gt; 1906

&lt;211&gt; 237

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1906

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 225 230 235

<210> 1907

<211> 238

<212> PRT

<213> Homo sapiens

<400> 1907

Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser  
 1 5 10 15

Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr Gly  
 20 25 30

Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly  
 35 40 45

Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe Gln  
 50 55 60

Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr Met  
 65 70 75 80

Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys Ala  
 85 90 95

Arg Asn Leu Trp Gly Leu Asp Tyr Trp Gly Lys Gly Thr Met Val Thr  
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly  
 130 135 140

Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr  
 145 150 155 160

Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile  
 165 170 175

Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly  
 180 185 190

Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala  
 195 200 205

Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn  
 210 215 220

His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235

<210> 1908  
 <211> 244  
 <212> PRT  
 <213> Homo sapiens

<400> 1908  
 Gly Val Gln Leu Glu Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Asn Ala Trp Gly Ala Phe Asp Ile Trp Gly Arg Ser Thr  
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser  
 130 135 140

Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser  
 145 150 155 160

Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly  
 165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly  
 180 185 190

Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu  
 195 200 205

Thr Val Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser  
 210 215 220

Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu  
 225 230 235 240

Thr Val Leu Gly

<210> 1909

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1909

Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser His Tyr  
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Val  
 35 40 45

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser  
 65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Arg Gly Thr  
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 115 120 125



Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser  
 130 135 140

Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Asn Ser  
 145 150 155 160

Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys  
 165 170 175

Val Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val  
 180 185 190

Ser Asn Arg Phe Ser Ala Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr  
 195 200 205

Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser  
 210 215 220

Tyr Thr Ser Ser Ser Thr Tyr Ala Phe Gly Thr Gly Thr Lys Leu Thr  
 225 230 235 240

Val Leu Gly

<210> 1910

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1910

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Met Tyr Tyr  
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Lys Gly Gly Met Asp Trp Asp Phe Asp Tyr Trp Gly Arg Gly Thr  
 100 105 110

Met Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser  
 130 135 140

Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser  
 145 150 155 160

Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly  
 165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly  
 180 185 190

Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu  
 195 200 205

Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser  
 210 215 220

Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu  
 225 230 235 240

Thr Val Leu Gly

<210> 1911

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1911

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr  
 20 25 30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Val Asp Ser Ser Gly Tyr Ala Tyr Tyr Trp Gly Lys Gly Thr  
100 105 110

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Ser Glu Leu Ala Gln Asp Pro Ala Val Ser Val  
130 135 140

Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg  
145 150 155 160

Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val  
165 170 175

Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg  
180 185 190

Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly  
195 200 205

Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser  
210 215 220

Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
225 230 235 240

Gly

<210> 1912

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1912

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Ala Ala Val Thr Ala Glu Gly Trp Gly Lys Gly Thr Leu  
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala  
130 135 140

Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser  
145 150 155 160

Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu  
165 170 175

Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe  
180 185 190

Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala  
195 200 205

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser  
210 215 220

Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 1913

<211> 246

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1913

Gln Val Gln Leu Leu Gln Ser Ala Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Ile Thr Asn Tyr  
 20 25 30

Phe Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Asp Thr Thr Trp Ser Ala Pro Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Val Ser Ser Leu Arg Thr Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Ser Asn Tyr Ser Pro Asp Ala Phe Asp Ile Trp Gly Gln  
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser  
 130 135 140

Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser  
 145 150 155 160

Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro  
 165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser  
 180 185 190

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala Ser  
 195 200 205

Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys  
 210 215 220

Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly Thr  
 225 230 235 240

Lys Leu Thr Val Leu Gly  
 245

<210> 1914

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1914

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala  
 20 25 30

Trp Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Gly Arg Ile Arg Ser Lys Ser Asp Gly Gly Thr Thr Asp Tyr Ala Ala  
 50 55 60

Pro Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Tyr Thr  
 65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr  
 85 90 95

Tyr Cys Met Ser Leu Pro Pro Asp Leu Arg Tyr Cys Asp Gly Gly Ile  
 100 105 110

Cys Pro Gly Phe Asp Trp Leu Gly Pro Trp Gly Gln Gly Thr Leu Val  
 115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
 130 135 140

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu  
 145 150 155 160

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr  
 165 170 175

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val  
 180 185 190

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser  
195 200 205

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln  
210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser Ser Gly  
225 230 235 240

Asn His Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250 255

<210> 1915

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1915

Gln Val Gln Leu Leu Gln Ser Ala Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Gly Pro Ser Tyr Tyr Tyr Tyr Met Ala Val Trp Gly Gln Gly  
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Phe  
130 135 140

Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser  
145 150 155 160

Gln Gly Ile Asn Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg  
165 170 175

Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val  
180 185 190

Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr  
195 200 205

Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln  
210 215 220

Asp Ser Asp Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile  
225 230 235 240

Lys Arg

<210> 1916

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1916

Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Trp Glu Ala Ser Gly Phe Thr Phe Ser His Tyr  
20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Val  
35 40 45

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser  
65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Arg Gly Thr  
100 105 110

2243



Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser  
130 135 140

Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Asn Ser  
145 150 155 160

Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys  
165 170 175

Val Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val  
180 185 190

Ser Asn Arg Phe Ser Ala Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr  
195 200 205

Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser  
210 215 220

Tyr Thr Ser Ser Ser Thr Tyr Ala Phe Gly Thr Gly Thr Lys Leu Thr  
225 230 235 240

Val Leu Gly

<210> 1917

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1917

Gln Val Gln Leu Met Gln Ser Ala Ala Glu Glu Asn Lys Pro Gly Pro  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Ile Thr Asn Tyr  
20 25 30

Phe Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Ser Gly Asp Thr Thr Trp Ser Ala Pro Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Val Ser Ser Leu Arg Thr Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Gly Ser Asn Tyr Ser Pro Asp Ala Phe Asp Ile Trp Gly Gln  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser  
130 135 140

Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser  
145 150 155 160

Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro  
165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser  
180 185 190

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala Ser  
195 200 205

Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys  
210 215 220

Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly Thr  
225 230 235 240

Lys Leu Thr Val Leu Gly  
245

<210> 1918

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1918

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Ser Tyr Ala Asp Ser Val  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Ser Leu Leu Ser Asp Tyr Trp Gly Arg Gly Thr Thr Val Thr Val  
 100 105 110  
 Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125  
 Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly  
 130 135 140  
 Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly  
 145 150 155 160  
 Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
 165 170 175  
 Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Tyr Arg  
 180 185 190  
 Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
 195 200 205  
 Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr  
 210 215 220  
 Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240  
 <210> 1919  
 <211> 245  
 <212> PRT  
 <213> Homo sapiens  
 <400> 1919

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Leu Ser Gly Ser Tyr Phe Ser Arg Tyr Phe Asp Tyr Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro  
130 135 140

Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly  
145 150 155 160

Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly  
165 170 175

Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly  
180 185 190

Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu  
195 200 205

Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn  
210 215 220

Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys  
225 230 235 240

Leu Thr Val Leu Gly  
245

<210> 1920  
<211> 246  
<212> PRT  
<213> Homo sapiens

<400> 1920  
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Ile Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser His Ser  
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Gly Ile Ile Pro Leu Phe Gly Ser Ala Asn Tyr Ala Glu Arg Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Val Ala Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Thr Ser Leu Thr Ser Glu Asp Thr Ala Met Tyr Phe Cys  
85 90 95

Ala Arg Val Glu Trp Glu Asp Ile Val Val Gly Ser Ala Phe Asp Ile  
100 105 110

Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln  
130 135 140

Ser Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr  
145 150 155 160

Cys Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln  
165 170 175

Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu  
180 185 190

Ala Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp  
195 200 205

Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr  
 210 215 220

Tyr Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr  
 225 230 235 240

Lys Leu Glu Ile Lys Arg  
 245

<210> 1921

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1921

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Val Thr Ser Leu Tyr Ser Ser Ser Ser Gly Gly Tyr Tyr Tyr  
 100 105 110

Tyr Gly Met Asp Val Trp Gly Arg Gly Thr Thr Val Thr Val Ser Ser  
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp  
 130 135 140

Ile Gln Met Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly Asp  
 145 150 155 160

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Asn Asn Tyr Leu  
165 170 175

Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Leu Leu Ile Tyr  
180 185 190

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
195 200 205

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
210 215 220

Asp Phe Ala Thr Tyr Tyr Cys Leu Gln Asp Ser Asp Tyr Pro Leu Thr  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg  
245 250

<210> 1922

<211> 239

<212> PRT

<213> Homo sapiens

<400> 1922

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Lys Gly Trp Arg Gly Val Asp Tyr Trp Gly Arg Gly Thr Leu Val  
100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

2250

Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala  
 130 135 140

Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Gly Ile  
 145 150 155 160

Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys  
 165 170 175

Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro Ser Arg  
 180 185 190

Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser  
 195 200 205

Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Ser Asn  
 210 215 220

Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg  
 225 230 235

<210> 1923

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1923

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95



Ala Lys Ala Gly Gly Asn Pro Arg Ser Gly Ser Leu Val Tyr Phe Asp  
 100 105 110

Tyr Trp Gly Arg Arg Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr  
 130 135 140

Gln Ser Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile  
 145 150 155 160

Thr Cys Arg Ala Ser Glu Gly Ile Tyr His Arg Leu Ala Trp Tyr Gln  
 165 170 175

Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Val Tyr Lys Ala Ser Ser  
 180 185 190

Leu Ala Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr  
 195 200 205

Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr  
 210 215 220

Tyr Tyr Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly  
 225 230 235 240

Thr Lys Leu Lys Ile Lys Arg  
 245

<210> 1924

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1924

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Gln Glu Leu Val  
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Ala Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Lys Gly Leu Asp Val Tyr Ala Ile Tyr Gly Leu Asp Val Trp Gly  
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala  
130 135 140

Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp  
145 150 155 160

Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln  
165 170 175

Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile  
180 185 190

Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr  
195 200 205

Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser  
210 215 220

Arg Asp Ser Ser Gly Asn His Val Leu Phe Gly Gln Gly Thr Lys Leu  
225 230 235 240

Glu Ile Lys Arg

<210> 1925

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1925

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Ile Ser Tyr Asp Glu Arg Ile Lys Asn Tyr Gly Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Gly Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Glu Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Thr Glu Val Arg Asn Tyr Asp Leu Leu Thr Arg Ser Tyr Leu Ala  
100 105 110

Gly Pro Leu Asp Asn Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln  
130 135 140

Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser  
145 150 155 160

Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn  
165 170 175

Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met  
180 185 190

Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Ser Arg Phe Ser  
195 200 205

Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln  
210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser  
225 230 235 240

Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

&lt;210&gt; 1926

&lt;211&gt; 245

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1926

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr  
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Gly Ile Ser Trp Asn Ser Gly Ser Ile Gly Tyr Ala Asp Ser Val  
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Thr Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Ile Gly Trp Glu Gly Ala Phe Asp Ile Trp Gly Arg Gly  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val  
 130 135 140

Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Thr  
 145 150 155 160

Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly  
 165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly  
 180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala Ser Leu  
 195 200 205

Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala  
 210 215 220

Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly Thr Lys  
 225 230 235 240

Leu Thr Val Leu Gly  
 245

<210> 1927

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1927

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Pro Cys Lys Ala Ser Gly Gly Ser Phe Arg Lys Tyr  
 20 25 30

Gly Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Val Pro Ile Tyr Arg Ala Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Arg Asp Arg Leu Thr Ile Thr Ala Asp Asp Ala Thr Asn Thr Val Tyr  
 65 70 75 80

Met Asp Leu Arg Ser Leu Gly Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Thr Val Arg Pro Gly Leu Met Asp Val Trp Gly Gln Gly Thr Thr  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Pro Val Phe Ala  
 130 135 140

Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Thr Ser Asn  
 145 150 155 160

Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala  
 165 170 175

Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Val Pro  
180 185 190

Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala Ser Leu Asp Ile  
195 200 205

Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp  
210 215 220

Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly Thr Lys Leu Thr  
225 230 235 240

Val Leu Gly

<210> 1928

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1928

Gln Val Thr Leu Lys Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Lys Phe Thr Phe Arg Asn Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Gly Ile Trp Phe Asp Gly Ser Lys Thr Phe Tyr Ser Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Met Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Phe Cys  
85 90 95

Ala Lys Glu Ala Tyr Thr Ser Ser Trp Ala Glu Phe Asp Phe Trp Gly  
100 105 110

Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro  
130 135 140

2257

Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly  
145 150 155 160

Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His  
165 170 175

Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro  
180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala  
195 200 205

Ser Leu Asp Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asp Tyr Tyr  
210 215 220

Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly  
225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
245

<210> 1929

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1929

Arg Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Glu  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Gly Ile Ser Gly Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Met Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Ala Lys Asn Ile Thr Pro Leu Ala Met Val Gly Asp Phe Trp Gly Arg  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro  
180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile  
195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg  
210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr  
225 230 235 240

Val Leu Gly

<210> 1930  
<211> 240  
<212> PRT  
<213> Homo sapiens

<400> 1930  
Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Ser Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ser Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60



Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Val Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Ser Leu Ile Glu Asp Phe Trp Gly Arg Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly  
130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly  
145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg  
180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr  
210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 1931

<211> 238

<212> PRT

<213> Homo sapiens

<400> 1931

Gln Val Gln Leu Ala Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Ser Asp Ser Gly Ser Pro Asp Trp Gly Lys Gly Thr Leu Val Thr  
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly  
 130 135 140

Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr  
 145 150 155 160

Ala Gly Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile  
 165 170 175

Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly  
 180 185 190

Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala  
 195 200 205

Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn  
 210 215 220

His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235

<210> 1932

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1932

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser His Tyr  
20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Val  
35 40 45

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser  
65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Asp Val Val Met Thr Gln Ser Pro Ser Ser Val  
130 135 140

Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln  
145 150 155 160

Gly Ile Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala  
165 170 175

Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro  
180 185 190

Ser Arg Phe Ser Gly Gly Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile  
195 200 205

Ser Thr Leu Gln Pro Glu Asp Val Ala Thr Tyr Tyr Cys Glu Asn Tyr  
210 215 220

Asn Ser Val Pro Leu Ser Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
225 230 235 240

Arg

&lt;210&gt; 1933

&lt;211&gt; 244

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1933

Gly Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ala Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Val Ser Tyr Asp Gly Ser Lys Lys Tyr Tyr Gly Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asp Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Asn Leu Arg Val Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Lys Arg Gly Ser Arg Arg Val Phe Asp Ile Trp Gly Gln  
 100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Asp Pro Ala  
 130 135 140

Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp  
 145 150 155 160

Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln Lys Pro Gly Gln  
 165 170 175

Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile  
 180 185 190

Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr  
 195 200 205

Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser  
 210 215 220

Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu  
 225 230 235 240

Thr Val Leu Gly

<210> 1934

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1934

Gln Val Thr Leu Lys Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Lys Phe Thr Phe Arg Asn Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Gly Ile Trp Phe Asp Gly Ser Lys Thr Phe Tyr Ser Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Met Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Phe Cys  
 85 90 95

Ala Lys Glu Ala Tyr Ala Ser Ser Trp Ala Glu Phe Asp Phe Trp Gly  
 100 105 110

Arg Gly Thr Pro Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro  
 130 135 140

Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly  
 145 150 155 160

Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His  
 165 170 175

Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro  
180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala  
195 200 205

Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr  
210 215 220

Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly  
225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
245

<210> 1935

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1935

Gln Val Thr Leu Lys Glu Ser Gly Gly Gly Leu Ile Gln Pro Gly Gly  
1 5 10 15

Pro Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Phe Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Lys Pro Tyr Gly Ser Gly Ser Tyr Ala Phe Asp Ile Trp Gly Lys  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser  
130 135 140

Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala  
145 150 155 160

Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly  
165 170 175

Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly  
180 185 190

Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu  
195 200 205

Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln  
210 215 220

Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu  
225 230 235 240

Ile Lys Arg

<210> 1936

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1936

Gln Val Asn Leu Arg Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Ala Arg Asp Tyr Tyr Asp Ser Ser Gly Tyr Tyr Val Pro Asp  
 100 105 110

Ala Phe Asp Ile Trp Gly Lys Ser Thr Leu Val Thr Val Ser Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser  
 130 135 140

Val Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys Val  
 145 150 155 160

Thr Ile Ser Cys Ser Gly Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val  
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr  
 180 185 190

Asp Val Ser Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser  
 195 200 205

Lys Ser Gly Asn Ser Ala Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu  
 225 230 235 240

Phe Leu Phe Gly Thr Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1937

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1937

Ala Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Ser Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45



Ser Ser Ile Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly His Phe Tyr Gly Met Asp Val Trp Gly Arg Gly Thr Met  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala  
 130 135 140

Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser  
 145 150 155 160

Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu  
 165 170 175

Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190

Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala  
 195 200 205

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser  
 210 215 220

Ser Thr His Arg Gly Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 225 230 235 240

Gly

<210> 1938

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1938

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Val Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala  
20 25 30

Trp Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Gly Arg Ile Arg Ser Lys Gly Asp Gly Gly Thr Ala Asp Tyr Ala Ala  
50 55 60

Pro Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Tyr Thr  
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr  
85 90 95

Tyr Cys Met Ser Leu Pro Pro Asp Leu Arg Tyr Cys Asp Gly Gly Met  
100 105 110

Cys Ser Gly Phe Asp Trp Leu Gly Pro Trp Gly Gln Gly Thr Leu Val  
115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
130 135 140

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu  
145 150 155 160

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr  
165 170 175

Tyr Ala Ser Trp His Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val  
180 185 190

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser  
195 200 205

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln  
210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Trp Asp Ser Ser His  
225 230 235 240

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1939  
 <211> 247  
 <212> PRT  
 <213> Homo sapiens

<400> 1939  
 Gln Val Gln Leu Met Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
           1                  5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
                   20                  25                  30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
                   35                  40                  45

Ala Val Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val  
                   50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Phe  
                   65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Val Tyr Tyr Cys  
                   85                  90                  95

Ala Arg Glu Ser Leu Leu Thr Glu Glu Tyr Cys Gly Ser Asp Cys Tyr  
                   100                  105                  110

Ser Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
                   115                  120                  125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln  
                   130                  135                  140

Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys  
                   145                  150                  155                  160

Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys  
                   165                  170                  175

Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Thr  
                   180                  185                  190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala  
                   195                  200                  205

Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr  
210 215 220

Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly  
225 230 235 240

Thr Lys Leu Ser Val Leu Gly  
245

<210> 1940

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1940

Gln Met Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ala Ile Asn His Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Asn Thr Leu Ser  
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Val Pro Asn Ser Ala Pro Pro Ala Pro Ser Met Asp Val Trp Gly Arg  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro  
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile  
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg  
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr  
 225 230 235 240

Val Leu Gly

<210> 1941

<211> 237

<212> PRT

<213> Homo sapiens

<400> 1941

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val His Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe  
 20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Val  
 35 40 45

Ser Ser Ile Ser Pro Ser Gly Gly Arg Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Leu Val Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Val Asp Asp Thr Ala Val Tyr Phe Cys  
 85 90 95

Ala Ser Arg Tyr Tyr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala  
145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
165 170 175

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
180 185 190

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
195 200 205

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His  
210 215 220

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235

<210> 1942

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1942

Gln Val Gln Leu Val Gln Ser Gly Glu Gly Leu Val Gln Pro Gly Glu  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Gly Ile Ser Gly Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Met Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Ala Lys Asn Ile Thr Pro Leu Ala Met Val Gly Asp Phe Trp Gly Gln  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
 145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
 165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro  
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile  
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg  
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr  
 225 230 235 240

Val Leu Gly

<210> 1943

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1943

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Ala Gly Glu  
 1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Gly Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Gly Tyr Asn Ala Asn Thr Thr Tyr Ala Gln Asn Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Ala Asp Tyr Ser Asn Asp Tyr Tyr Met Asp Val Trp Gly Lys  
100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser  
130 135 140

Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala  
145 150 155 160

Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly  
165 170 175

Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly  
180 185 190

Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu  
195 200 205

Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln  
210 215 220

Gln Tyr Ser Asp Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu  
225 230 235 240

Ile Lys Arg

<210> 1944

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1944

Arg Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Glu  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30



Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Gly Ile Ser Gly Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Met Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys  
 85 90 95

Ala Lys Asn Ile Thr Pro Leu Ala Met Val Gly Asp Phe Trp Gly Gln  
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
 145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
 165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Ile Arg Pro Ser Gly Ile Pro  
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile  
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg  
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr  
 225 230 235 240

Val Leu Gly

<210> 1945

<211> 243

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1945

Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Tyr Val  
 35 40 45

Ser Ala Ile Ser Ser Asn Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Phe Pro Leu Glu Ser Tyr Tyr Tyr Met Asp Val Trp Gly Gln  
 100 105 110

Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser  
 130 135 140

Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala  
 145 150 155 160

Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly  
 165 170 175

Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly  
 180 185 190

Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu  
 195 200 205

Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln  
 210 215 220

Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu  
 225 230 235 240

Ile Lys Arg

<210> 1946

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1946

Glu Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Arg Val Ser Cys Glu Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asp Ser Gly Lys Thr Lys Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Asn Ser Phe Gly Arg Thr Leu Asp Tyr Trp Gly Arg Ser  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val  
 130 135 140

Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser  
 145 150 155 160

Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro  
 165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser  
 180 185 190

2278

Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser  
195 200 205

Leu Thr Ile Ser Gly Leu Arg Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
210 215 220

Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys  
225 230 235 240

Leu Thr Val Leu Gly  
245

<210> 1947

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1947

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Val Pro Pro Pro Asp Gly Tyr Leu Glu Val Trp Gly Arg  
100 105 110

Gly Thr Met Val Thr Val Ser Asn Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro  
180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile  
195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Pro  
210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr  
225 230 235 240

Val Leu Gly

<210> 1948

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1948

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Tyr Ser Phe Thr Gly Tyr  
20 25 30

Tyr Ile His Trp Val Arg Arg Ala Pro Gly Gln Gly Leu Glu Trp Leu  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Asn Thr Gly Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asn Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Ala Ser Tyr Pro Val Pro Phe Asp Tyr Trp Gly Lys Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu  
 130 135 140

Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu  
 145 150 155 160

Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala  
 165 170 175

Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro  
 180 185 190

Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile  
 195 200 205

Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr  
 210 215 220

Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Thr Glu  
 225 230 235 240

Arg

<210> 1949

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1949

Gln Leu Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Thr Phe Thr Thr Tyr  
 20 25 30

Pro Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Val Met Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Lys Gly Gly Trp Leu Asp Asp Trp Gly Gln Gly Thr Met Val Thr  
100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Ala Ala  
130 135 140

Pro Gly Gln Glu Val Thr Met Ser Cys Ser Gly Ser Ser Ser Asn Val  
145 150 155 160

Gly His Asn Tyr Val Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro  
165 170 175

Lys Leu Leu Ile Tyr Asp Asp Asp Lys Arg Pro Ser Gly Ile Pro Asp  
180 185 190

Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Thr Leu Ala Ile Arg  
195 200 205

Gly Leu Gln Thr Gly Asp Glu Ala Asp Tyr Tyr Cys Ala Thr Trp Asp  
210 215 220

Val Arg Leu Arg Asp Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val  
225 230 235 240

Leu Gly

<210> 1950

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1950

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ala Ser Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val  
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Lys Thr Thr Tyr Ala Gln Asn Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Ser  
 65 70 75 80

Met Glu Leu Asn Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu His Ser Ser Ser Phe Asp Tyr Trp Gly Gln Gly Thr Met  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser  
 130 135 140

Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser  
 145 150 155 160

Asn Ile Gly Asp Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly  
 165 170 175

Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Gly His Arg Pro Ser Gly  
 180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp Thr Ser Ala Ser Leu  
 195 200 205

Ala Ile Thr Gly Leu Gln Val Glu Asp Glu Ala Asp Tyr Phe Cys His  
 210 215 220

Ser Tyr Asp Ser Ser Val Ser Gly Trp Ile Phe Gly Gly Gly Thr Lys  
 225 230 235 240

Val Thr Val Leu Gly  
 245

<210> 1951

<211> 253



&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1951

Glu Val Gln Leu Val Gln Ser Gly Ala Ala Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr  
 20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Ile Asn Gly Asn Thr Ile Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Gly Thr Val Asn  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Phe Tyr Cys  
 85 90 95

Ala Arg Glu Gly Glu Gly Asp Gly Tyr Asn Val Ala Pro Tyr Tyr Phe  
 100 105 110

Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val  
 130 135 140

Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr  
 145 150 155 160

Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val  
 165 170 175

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr  
 180 185 190

Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser  
 195 200 205

Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu  
 210 215 220

Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Leu Ser Gly  
 225 230 235 240

Trp Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1952

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1952

Glu Val Gln Leu Val Gln Ser Gly Val Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Arg Asp Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Thr Gly Gly Thr Thr Ser Tyr Ala Pro Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Asn Thr Leu Tyr  
 65 70 75 80

Met Glu Leu Arg Arg Leu Lys Phe Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Ala Gly Gly Ser Gly Ser Tyr His Phe Ser Phe Pro Phe  
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Glu Thr  
 130 135 140

Thr Leu Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly Glu Arg  
 145 150 155 160

Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Asn Leu Ala  
 165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly  
 180 185 190

Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp  
210 215 220

Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro Arg Thr Phe  
225 230 235 240

Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg  
245 250

<210> 1953

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1953

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Trp  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Tyr Ser  
20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ala Ile Thr Ser Ser Gly Gly Ala Thr Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Ala Lys Thr Gly Ile Trp Gly Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly  
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser  
130 135 140

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Arg  
145 150 155 160

Ser Ser Asn Ile Gly Ala Gly Phe Asp Val His Trp Tyr Leu Gln Leu  
165 170 175

Pro Gly Arg Ala Pro Lys Val Leu Ile Tyr Gly Asn Ser Asn Arg Pro  
180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala  
195 200 205

Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr  
210 215 220

Cys Gln Ser Tyr Asp Arg Ser Leu Arg Ala Phe Val Phe Gly Thr Gly  
225 230 235 240

Thr Lys Val Thr Val Leu Gly  
245

<210> 1954

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1954

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr  
20 25 30

Phe Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Asn Gly Gly Ile Thr Lys Tyr Lys Glu Ser Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Asn Thr Leu Tyr  
65 70 75 80

Met Glu Met Arg Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Gly Asn Leu Asn Tyr Asp Gly Ser Thr Asp Tyr Gly Met  
100 105 110

Asp Val Trp Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val  
 130 135 140

Leu Thr Gln Pro Ser Ser Ala Ser Gly Thr Leu Gly Gln Arg Leu Ser  
 145 150 155 160

Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Ser Val Ser  
 165 170 175

Trp Tyr His Gln Val Ala Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly  
 180 185 190

Ser Asp Glu Arg Pro Ser Gly Val Pro Tyr Arg Phe Ser Gly Ser Lys  
 195 200 205

Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Glu Leu Arg Ser Glu Asp  
 210 215 220

Glu Gly Asp Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Arg Gly Trp  
 225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1955

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1955

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ser Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Thr Thr Leu Gly Arg Asn Tyr Thr Ser Ser Trp Ser Leu Asp Tyr Trp  
100 105 110

Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr  
130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr  
145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln  
165 170 175

Lys Pro Arg Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asp Arg  
180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr  
195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys Asn Ser Arg Asp Thr Ser Gly Asn His Leu Val Phe Gly Thr  
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 1956

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1956

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr Ser Tyr  
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Phe Ile Ser Tyr Asp Gly Ser His Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Lys Val Val Gly Gly Tyr Ser Ser Thr Leu Gly Thr Asp Val Trp  
 100 105 110

Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln  
 130 135 140

Pro Ser Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys  
 145 150 155 160

Ser Gly Arg Asn Ser Asn Val Gly Ser Asn Tyr Val Tyr Trp Tyr Gln  
 165 170 175

Gln Phe Pro Gly Thr Ala Pro Lys Leu Leu Ile His Arg Ser Asn Gln  
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr  
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Ala  
 210 215 220

Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Ser Val Trp Val Phe Gly  
 225 230 235 240

Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1957

<211> 249

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1957

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu  
 1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Tyr Gly Tyr Asn Phe Lys Gly His  
 20 25 30

Trp Ile Val Trp Val Arg Gln Val Pro Gly Lys Gly Leu Asp Tyr Met  
 35 40 45

Gly Ile Ile Tyr Pro Asp Asp Ser Ser Thr Thr Tyr Arg Pro Ser Phe  
 50 55 60

Gln Gly Gln Val Thr Ile Ser Val Asp Lys Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys  
 85 90 95

Ala Arg Leu Gly Val Ala Arg Gly Arg Glu Ala Phe Asp Leu Trp Gly  
 100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Glu Leu Thr Gln  
 130 135 140

Pro Pro Ser Thr Ser Ala Thr Pro Gly Gln Thr Val Thr Ile Ser Cys  
 145 150 155 160

Tyr Gly Ser Ser Asp Asn Ile Gly His Glu Arg Val Ala Trp Tyr Gln  
 165 170 175

His Val Pro Gly Thr Ala Pro Lys Leu Val Ile Tyr Asn Asp Asp Arg  
 180 185 190

Arg Pro Ala Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp Ser  
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Gly Asp  
 210 215 220



Tyr Tyr Cys Ala Ser Trp Asp Val Arg Met Phe Gly Phe Val Phe Gly  
 225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly  
 245

<210> 1958

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1958

Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Ala Lys Pro Ser Gln  
 1 5 10 15

Thr Leu Ser Gly Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn  
 20 25 30

Ser Ala Thr Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu  
 35 40 45

Trp Leu Ala Arg Thr Tyr Tyr Arg Ser Thr Trp His Asn Asp Tyr Ala  
 50 55 60

Val Ser Val Asn Ser Arg Ile Arg Val Asp Pro Asp Thr Ser Lys Asn  
 65 70 75 80

Gln Phe Ser Leu Leu Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val  
 85 90 95

Tyr Phe Cys Ala Arg Ala Val Arg Ser Pro Gly Tyr Tyr Tyr Tyr Tyr  
 100 105 110

Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala  
 130 135 140

Val Leu Thr Gln Pro Ser Ser Ala Ser Gly Thr Pro Gly Gln Arg Val  
 145 150 155 160

Thr Ile Thr Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val  
 165 170 175

Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Phe  
 180 185 190

Gly Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser  
195 200 205

Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu  
210 215 220

Asp Glu Ala Asp Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Asn Val  
225 230 235 240

Pro Trp Val Phe Gly Thr Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1959

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1959

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr  
20 25 30

Pro Val His Trp Leu Arg Gln Ala Pro Gly Gln Arg Pro Glu Trp Val  
35 40 45

Gly Gln Phe Asn Pro Ala Thr Gly Asn Thr Gln Tyr Ser Glu Asn Phe  
50 55 60

Gln Gly Arg Val Ala Ile Thr Ser Asp Thr Ala Ala Thr Thr Ser Tyr  
65 70 75 80

Met Glu Leu Asn Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Gly Arg Lys Pro Leu Phe Asp Tyr Trp Gly Arg Gly Thr Leu  
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
145 150 155 160

Leu Thr Thr Tyr Tyr Ala Arg Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
165 170 175

Pro Leu Leu Val Ile Tyr Gly Arg Asn Asn Arg Pro Ser Gly Ile Pro  
180 185 190

Asp Arg Phe Ser Gly Ser Arg Ser Gly Ser Thr Ala Ser Leu Thr Ile  
195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg  
210 215 220

Asp Ser Arg Gly Asn His Tyr Val Phe Gly Thr Gly Thr Lys Leu Thr  
225 230 235 240

Val Leu Gly

<210> 1960

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1960

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Ala Ser Ile Asn Thr Gly  
20 25 30

Gly Tyr Asp Trp Thr Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu  
35 40 45

Leu Ile Gly His Ile His Tyr Ser Gly Ser Thr Tyr Lys Lys Ala Ser  
50 55 60

Leu Lys Ser Arg Leu Asn Met Ser Leu Asp Arg Ser Lys Asn Gln Phe  
65 70 75 80

Ser Leu Asn Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Ile Tyr Tyr  
85 90 95

Cys Ala Arg Lys Gln Arg Arg Glu Lys Tyr Phe Asp Tyr Trp Gly Arg  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro  
130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Thr Gly  
145 150 155 160

Ser Arg Ser Asn Phe Gly Ala Asp Tyr Asp Val His Trp Tyr Gln Gln  
165 170 175

Arg Pro Gly Ala Ala Pro Lys Leu Leu Ile Ser Asn Asn Lys Asn Arg  
180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Thr Ser  
195 200 205

Ala Ser Leu Thr Ile Thr Gly Val Gln Ser Asp Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Phe Val Phe Gly Gly  
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 1961

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1961

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Lys Ala Ile Ile Glu Thr Thr Ser Gly Glu Ala Asp Pro  
100 105 110

Phe Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala  
130 135 140

Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val  
145 150 155 160

Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp  
165 170 175

Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile  
180 185 190

Tyr Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
195 200 205

Ser Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val  
210 215 220

Glu Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser  
225 230 235 240

Gly Trp Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1962

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1962

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Asn Gly Ser Ile Asn Ser Gly  
20 25 30

Asp Tyr Tyr Trp Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu  
35 40 45

Trp Ile Gly Tyr Ile Ser Asn Thr Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60

Leu Arg Ser Arg Leu Ser Met Ser Leu Asp Thr Ser Lys Asp Gln Phe  
65 70 75 80

Ser Leu Glu Val Thr Ser Leu Ser Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Ser Arg Pro Ala Leu Arg Ser Leu Trp Tyr Phe Asp Leu Trp  
100 105 110

Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln  
130 135 140

Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Phe Cys  
145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn Asn Ile His Trp Tyr Gln  
165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Ser Asn Lys  
180 185 190

Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr  
195 200 205

Ser Gly Thr Leu Asp Ile Thr Gly Leu Gln Thr Gly Asp Glu Ala Asp  
210 215 220

Tyr Ser Cys Ala Thr Trp Asp Asn Ser Leu Asn Ala Tyr Val Phe Gly  
225 230 235 240

Ser Gly Thr Lys Val Thr Val Leu Gly  
245

<210> 1963

<211> 248

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1963

Gln Val Thr Leu Lys Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala  
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Gly Arg Ile Lys Thr Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala  
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr  
 65 70 75 80

Val Tyr Leu Gln Met Asn Ser Leu Gln Ser Glu Asp Thr Gly Val Tyr  
 85 90 95

Tyr Cys Thr Thr Leu His Cys Thr Gly Gly Ser Cys Gly Phe Trp Gly  
 100 105 110

Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro  
 130 135 140

Pro Ser Ala Ser Ala Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser  
 145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Ile Asn Thr Val Asn Trp Tyr Gln Gln  
 165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Met Tyr Ser Asp Ser Gln Arg  
 180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser  
 195 200 205

Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr  
 210 215 220

Phe Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Val Ile Phe Gly Gly  
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1964

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1964

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Glu Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asn Pro Tyr Tyr Tyr Asp Ser Ser Glu Gly Phe Phe Asp Tyr  
 100 105 110

Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Asp Val Val Met  
 130 135 140

Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly Gln Pro Ala Ser  
 145 150 155 160

Ile Ser Cys Arg Ser Ser Gln Ser Leu Val Tyr Ser Asp Gly Asn Thr  
 165 170 175

Tyr Leu Asn Trp Phe Gln Gln Arg Pro Gly Gln Ser Pro Arg Arg Leu  
 180 185 190



Ile Tyr Lys Val Ser Asn Arg Asp Ser Gly Val Pro Asp Arg Phe Ser  
195 200 205

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu  
210 215 220

Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Ala Thr Arg Trp Pro  
225 230 235 240

Phe Thr Phe Gly Gln Gly Thr Lys Met Glu Ile Lys Arg  
245 250

<210> 1965

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1965

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Cys Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Ser Gly Arg Gln Ala Tyr Tyr Tyr Tyr Gly Met Asp Val Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Val Leu Thr  
130 135 140

Gln Pro Pro Ser Leu Ser Glu Ser Pro Gly Gln Thr Ala Lys Ile Thr  
145 150 155 160

Cys Ser Gly Asp Pro Leu Ser Lys His Tyr Ala Tyr Trp Tyr Gln Gln  
165 170 175

Lys Ser Gly Leu Ala Pro Val Leu Val Met Ser Lys Asp Asn Glu Arg  
180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Tyr Gly Ser Ser Ser Gly Thr Thr  
195 200 205

Ala Thr Leu Thr Ile Ser Gly Val Gln Val Glu Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys His Ser Val Gly Ser Asp Gly Ser Ser Leu Val Phe Gly Gly  
225 230 235 240

Gly Thr Gln Leu Thr Val Leu Ser  
245

<210> 1966  
<211> 254  
<212> PRT  
<213> Homo sapiens

<400> 1966  
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Glu Pro Ser Gly  
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Ala Ser Ile Ser Ser Asn  
20 25 30

Asn Leu Trp Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp  
35 40 45

Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Ser Tyr Asn Pro Ser Leu  
50 55 60

Arg Gly Arg Val Thr Ile Ser Val Asp Lys Ser Thr Asn Gln Phe Ser  
65 70 75 80

Leu Lys Leu Thr Ser Val Thr Asp Ala Asp Thr Asp Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Tyr Tyr Asp Gly Ser Ser Tyr Ser Ser Gly Asp Tyr Tyr  
100 105 110

2301

Tyr Tyr Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala  
130 135 140

Leu Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly  
145 150 155 160

Gln Thr Ala Thr Ile Thr Cys Ser Gly Asp Ala Leu Pro Lys Gln Asn  
165 170 175

Ala Tyr Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile  
180 185 190

Tyr Arg Asp Ser Glu Arg Arg Ser Gly Ile Pro Glu Arg Phe Ser Gly  
195 200 205

Ser Ser Ser Gly Thr Thr Ala Thr Leu Thr Ile Ser Gly Val Gln Ala  
210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Ala Asp Ser Thr Val Ser  
225 230 235 240

Tyr Tyr Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 1967

<211> 256

<212> PRT

<213> Homo sapiens

<400> 1967

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Asn Phe Asp Ser Tyr  
20 25 30

Tyr Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Ser Gly Ala Ser Thr Tyr Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ala Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Ser Asp Leu Val Val Ile Pro Thr Ala Ile Gln Gly Arg  
100 105 110

Tyr Tyr Phe Asp Asn Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala  
130 135 140

Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln  
145 150 155 160

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly  
165 170 175

Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu  
180 185 190

Leu Ile Tyr Gly Asn Ser His Arg Pro Ser Gly Val Pro Asp Arg Phe  
195 200 205

Ser Gly Ser Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu  
210 215 220

Gln Val Glu Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser  
225 230 235 240

Val Ser Gly Trp Ile Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
245 250 255

<210> 1968

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1968

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Thr Ser Tyr  
20 25 30

2303

Ala Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Thr Val Val Pro Gly Phe Gly Thr Arg Lys Tyr Ala Glu Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Arg Ala Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Lys Ser Glu Asp Thr Ala Val Phe Tyr Cys  
 85 90 95

Ala Arg Gly Lys Arg Tyr Ser Tyr Gly Trp Tyr Phe Asp Ile Trp Gly  
 100 105 110

Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro  
 130 135 140

Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Gly Thr Ile Ser Cys Thr  
 145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln  
 165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Ser Asn  
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr  
 195 200 205

Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp  
 210 215 220

Tyr Tyr Cys His Ser Tyr Asp Ser Ser Leu Ser Ala Tyr Val Phe Gly  
 225 230 235 240

Thr Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1969

<211> 243

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1969

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Ser  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Val Lys Asp Thr Pro Leu Asp Pro Trp Gly Arg Gly Thr Leu Val Thr  
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Gly Ala  
 130 135 140

Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Gly Ser Ser Asn Ile  
 145 150 155 160

Gly Ala Asp Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly Ala Ala  
 165 170 175

Pro Lys Leu Leu Ile Tyr Ala Asn Val Asn Arg Pro Ser Gly Val Pro  
 180 185 190

Asp Arg Phe Ser Ala Ser Lys Ser Gly Thr Ser Ala Ser Leu Val Ile  
 195 200 205

Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr  
 210 215 220

Asp Ser Gly Leu Ser Ala Ser Val Phe Gly Gly Gly Thr Lys Leu Thr  
 225 230 235 240

Val Leu Gly

<210> 1970

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1970

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Thr Ala Ser Gly Tyr Asn Phe Thr Asn Asn  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Ser Pro Asn Thr Ser Asn Thr Lys Tyr Ala Pro Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ala Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Thr Leu Arg Ser Glu Asp Thr Ala Ile Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Gly Asp Pro Thr Asp Asn Asp Ala Phe Asp Val Trp Gly  
 100 105 110

Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro  
 130 135 140

Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr  
 145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val His Trp Tyr Gln  
 165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Thr Asn  
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp Thr  
 195 200 205

Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu Asp Glu Ala Asp  
 210 215 220

Tyr Phe Cys His Ser Tyr Asp Ser Ser Met Ser Gly Trp Ile Phe Gly  
 225 230 235 240

Gly Gly Thr Lys Val Thr Val Leu Gly  
 245

<210> 1971

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1971

Glu Val Gln Leu Met Gln Ser Gly Ala Glu Leu Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Leu Ser Cys Lys Pro Ser Gly Tyr Thr Val Thr Pro Phe  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile His Ser Ser Ser Gly Asn Thr Ala Tyr Ala His Asn Phe  
 50 55 60

Gln Gly Arg Ile Ala Met Ile Ser Asp Thr Ser Thr Gly Ser Val Tyr  
 65 70 75 80

Met Glu Leu Ser Gly Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Thr Asp Gly Pro Thr Tyr Ala Arg Pro Tyr Tyr Leu Asp His Trp  
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln  
 130 135 140



Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys  
 145 150 155 160

Ser Gly Asp Arg Ser Asn Ile Gly Ser Asn Tyr Val Leu Trp Tyr Arg  
 165 170 175

Gln Leu Pro Gly Pro Ala Pro Lys Val Leu Ile Tyr Asn Asn Ser Gln  
 180 185 190

Arg Pro Ser Gly Val Pro Ala Arg Phe Ser Ala Ser Arg Ser Gly Thr  
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asp  
 210 215 220

Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Arg Gly Trp Val Phe Gly  
 225 230 235 240

Gly Gly Thr Lys Val Thr Val Leu Gly  
 245

<210> 1972

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1972

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Pro Gly Asn Thr Phe Ser Ser Tyr  
 20 25 30

Gly Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val  
 35 40 45

Gly Gly Ile Phe Pro Ile Phe Asp Ala Val Asn Tyr Ala Glu Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Thr Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Asn Arg Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Gly Thr Lys Tyr Asp Trp Gly Phe Asp Tyr Trp Gly Arg  
 100 105 110

2308

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Leu Glu Ile Val Leu Thr Gln Ser  
130 135 140

Pro Ser Ser Val Ser Ala Ser Val Gly Asp Arg Val Ser Ile Thr Cys  
145 150 155 160

Arg Ala Ser Gln Gly Ile Gly Ser Trp Leu Phe Trp Tyr Gln Gln Lys  
165 170 175

Pro Gly Lys Ala Pro Lys Leu Leu Ile Ser Ala Val Ser Gly Leu Gln  
180 185 190

Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe  
195 200 205

Ala Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr  
210 215 220

Cys Gln Gln Ala His Ser Phe Pro Ile Thr Phe Gly Gln Gly Thr Arg  
225 230 235 240

Leu Glu Ile Lys Arg  
245

<210> 1973

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1973

Gln Val Gln Leu Val Gln Ser Gly Val Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Gly Ile Val Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Met Ser Pro Tyr Asn Gly Tyr Thr Asn Tyr Ala Arg Lys Phe  
50 55 60

Glu Gly Arg Val Thr Met Thr Arg Glu Thr Ser Thr Thr Thr Ala Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Thr Phe Ser His Cys Ser Gly Gly Ser Cys Tyr Pro Phe  
100 105 110

Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val  
130 135 140

Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr  
145 150 155 160

Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val  
165 170 175

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr  
180 185 190

Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser  
195 200 205

Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu  
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Asn Arg Leu Ser Gly  
225 230 235 240

Ser Asp Val Phe Gly Thr Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 1974

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1974

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

2310

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Ser Gly Arg Gln Ala Tyr Tyr Tyr Tyr Gly Met Asp Val Trp  
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Val Leu Thr  
 130 135 140

Gln Pro Pro Ser Leu Ser Glu Ser Pro Gly Gln Thr Ala Lys Ile Thr  
 145 150 155 160

Cys Ser Gly Asp Pro Leu Ser Lys His Tyr Ala Tyr Trp Tyr Gln Gln  
 165 170 175

Lys Ser Gly Leu Ala Pro Val Leu Val Met Ser Lys Asp Asn Glu Arg  
 180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Tyr Gly Ser Ser Ser Gly Thr Thr  
 195 200 205

Ala Thr Leu Thr Ile Ser Gly Val Gln Val Glu Asp Glu Ala Asp Tyr  
 210 215 220

Tyr Cys His Ser Val Gly Ser Asp Gly Ser Ser Leu Val Phe Gly Gly  
 225 230 235 240

Gly Thr Gln Leu Thr Val Leu Ser  
 245

<210> 1975

<211> 246

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1975

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Lys Glu Phe Phe Gly Tyr Val Tyr Leu Thr Asp Tyr Trp Gly Arg  
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp  
 130 135 140

Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln  
 145 150 155 160

Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro  
 165 170 175

Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser  
 180 185 190

Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser  
 195 200 205

Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
 210 215 220

Asn Ser Arg Asp Ser Ser Gly Asn His Leu Val Phe Gly Thr Gly Thr  
 225 230 235 240

Lys Leu Thr Val Leu Gly  
 245

<210> 1976

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1976

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala  
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Gly Arg Ile Lys Thr Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala  
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr  
 65 70 75 80

Val Tyr Leu Gln Met Asn Ser Leu Gln Ser Glu Asp Thr Gly Val Tyr  
 85 90 95

Tyr Cys Thr Thr Leu His Cys Thr Gly Gly Ser Cys Gly Phe Trp Gly  
 100 105 110

Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro  
 130 135 140

Ser Ser Ala Ser Ala Thr Pro Gly Gln Gly Val Thr Ile Ser Cys Ser  
 145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Gln  
 165 170 175

Val Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Gln Arg  
 180 185 190

2313

Pro Ser Gly Val Pro Glu Arg Leu Ser Gly Ser Lys Ser Gly Thr Ser  
195 200 205

Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Val Val Phe Gly Gly  
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 1977

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1977

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Gln Ala Ser Gly Gly Thr Phe Ser Asn Tyr  
20 25 30

Ala Phe Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Phe Ile Pro Val Phe Gly Thr Ser Tyr Tyr Thr Gln Asn Leu  
50 55 60

Glu Gly Arg Leu Thr Ile Thr Ala Asp Glu Ser Thr Arg Thr Thr Tyr  
65 70 75 80

Met Asp Leu Arg Ser Leu Arg Arg Glu Asp Thr Ala Leu Tyr Phe Cys  
85 90 95

Ala Arg Val Asp Tyr Thr Asp Tyr Glu Met Gly Ala Phe Glu Ile Trp  
100 105 110

Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln  
130 135 140

Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys  
145 150 155 160

Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr  
165 170 175

Gln Gln Leu Pro Gly Lys Gly Pro Lys Val Leu Met Tyr Asp Asn Asn  
180 185 190

Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly  
195 200 205

Ala Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala  
210 215 220

Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Asp Gly Tyr Val Phe  
225 230 235 240

Gly Thr Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 1978

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1978

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Phe Ser Ser Tyr  
20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ala Ile Ser Gly Asn Gly Ser Asn Thr Tyr His Ala Asp Phe Val  
50 55 60

Lys Gly Arg Phe Thr Ala Ser Arg Asp Asn Ser Lys Ser Ile Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Thr Ala Asp Asp Ser Ala Val Tyr Tyr Cys  
85 90 95

Ala Lys Val Gly Asn Phe Gly Tyr Tyr Phe Glu Tyr Trp Gly Gln Gly  
100 105 110

2315



Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser  
130 135 140

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser  
145 150 155 160

Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu  
165 170 175

Pro Arg Thr Ala Pro Lys Leu Leu Ile Phe Gly Asn Asn Asn Arg Pro  
180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Val Thr Ser Ala  
195 200 205

Ser Leu Val Ile Thr Gly Leu Gln Pro Asp Asp Glu Ala Asp Tyr Tyr  
210 215 220

Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Trp Val Phe Gly Gly Gly  
225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
245

<210> 1979

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1979

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Glu  
1 5 10 15

Ser Leu Glu Leu Ser Cys Ala Thr Ser Gly Phe Ser Phe Ser Gly Ala  
20 25 30

Ala Ile His Trp Val Arg Gln Ala Ser Gly Lys Gly Leu Glu Trp Val  
35 40 45

Gly Arg Ile Arg Asn Lys Gly Asn Asn Tyr Ala Thr Ala Tyr Ala Ala  
50 55 60

Ser Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Glu Ser Lys Asn Thr  
65 70 75 80

Ala Tyr Leu His Leu Asn Ser Leu Lys Thr Glu Asp Thr Ala Arg Tyr  
85 90 95

Phe Cys Thr Lys Ser Ser Arg Asn Gly Gly Asp Tyr Trp Gly Arg Gly  
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro  
130 135 140

Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly  
145 150 155 160

Asp Ser Leu Arg Gly Asn Tyr Ala Thr Trp Tyr Gln Gln Lys Pro Gly  
165 170 175

Gln Ala Pro Val Leu Val Phe Tyr Gly Lys Asn Asn Arg Pro Ser Trp  
180 185 190

Ile Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Asn Thr Ala Ser Leu  
195 200 205

Thr Ile Ser Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn  
210 215 220

Ser Arg Asp Thr Ser Gly Asn His Arg Val Phe Gly Gly Gly Thr Lys  
225 230 235 240

Leu Thr Val Leu Gly  
245

<210> 1980

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1980

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ala Ile Arg Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Lys Asp Leu Ser Arg Val Ala Gly Arg Phe Asp Tyr Trp Gly Lys  
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp  
 130 135 140

Pro Thr Val Ser Val Ala Leu Gly Gln Thr Val Lys Ile Thr Cys Gln  
 145 150 155 160

Gly Asp Ser Leu Arg Asn Tyr Tyr Ser Ser Trp Tyr Gln Gln Lys Pro  
 165 170 175

Gly Gln Ala Pro Thr Leu Leu Ile Phe Gly Lys Asn Lys Arg Pro Ser  
 180 185 190

Gly Ile Pro Gly Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ser Ser  
 195 200 205

Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
 210 215 220

Asn Ser Arg Asp Ser Ser Gly Thr His Leu Val Phe Gly Gly Gly Thr  
 225 230 235 240

Lys Val Thr Val Leu Gly  
 245

<210> 1981

<211> 247

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1981

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Leu Glu  
 1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Val Ser Gly Arg  
 20 25 30

Thr His Tyr Trp Gly Trp Ile Arg Leu Pro Pro Gly Lys Gly Met Glu  
 35 40 45

Trp Ile Ala Ser Leu Ser Phe Asp Gly Thr Pro Phe Tyr Asn Pro Ser  
 50 55 60

Leu Lys Ser Arg Val Ser Val Ser Arg Asp Thr Ser Lys Asn Gln Phe  
 65 70 75 80

Ser Leu Lys Val Thr Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
 85 90 95

Cys Ala Arg His Asp Val Tyr Gly Asp Leu Phe Asp Tyr Trp Gly Gln  
 100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro  
 130 135 140

Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Pro Ile Ser Cys Ser Gly  
 145 150 155 160

Ser Gly Ser Asn Ile Gly Ser Asn Ser Val Ser Trp Tyr Gln Gln Val  
 165 170 175

Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asn Asn Asn Glu Arg Pro  
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Ala Ser Lys Ser Gly Thr Ser Ala  
 195 200 205

Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220

Cys Ala Ser Trp Asp Asp Ser Leu Thr Val Pro Val Phe Gly Gly Gly  
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1982

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1982

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Thr Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Lys Ala  
 20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Gly Arg Ile Lys Thr Lys Thr Asp Gly Gly Ala Pro Asp Tyr Ala Ala  
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr  
 65 70 75 80

Val Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Ala Ala Val Tyr  
 85 90 95

Tyr Cys Ser Thr Leu His Cys Ser Gly Gly Ser Cys Gly Phe Trp Gly  
 100 105 110

Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro  
 130 135 140

Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Ser Ile Ser Cys Ser  
 145 150 155 160

Gly Ser Thr Ser Asn Ile Gly Thr Asn Thr Val Asn Trp Tyr Arg Gln  
 165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Ser Asn Asn Gln Arg  
 180 185 190

2320

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser  
 195 200 205

Val Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr  
 210 215 220

Phe Cys Ala Ala Trp Asp Gly Ser Arg Asn Gly Val Val Phe Gly Gly  
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1983

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1983

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Gly Ser Ile Val Gly Ala Thr Leu Thr Ile Asn Asp Ala  
 100 105 110

Phe Asp Ile Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser  
 130 135 140

Val Val Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val  
 145 150 155 160

Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp  
 165 170 175

Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile  
 180 185 190

Tyr Gly Asn Thr Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
 195 200 205

Ser Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val  
 210 215 220

Glu Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Leu Ser  
 225 230 235 240

Gly Trp Ile Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
 245 250

<210> 1984

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1984

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Thr Val Ile Pro Asn Ser Asn Ile Arg Lys Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Asp Ser Thr Arg Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Gly Asp Thr Ala Ile Phe Tyr Cys  
 85 90 95

Ala Arg Gly Lys Arg Tyr Ser Tyr Gly Trp Tyr Phe Asp Ile Trp Gly  
 100 105 110

Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro  
130 135 140

Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr  
145 150 155 160

Gly Ser Asn Ser Asp Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln  
165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Asn  
180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr  
195 200 205

Ser Ala Ser Leu Ala Ile Thr Glu Leu Gln Ala Glu Asp Glu Ala Asp  
210 215 220

Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Tyr Val Phe Gly  
225 230 235 240

Ser Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 1985

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1985

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Asp Tyr  
20 25 30

Phe Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Lys Asn Gly Gly Thr Tyr Phe Ala Gln Asp Phe  
50 55 60



Gln Gly Arg Val Thr Met Thr Gly Asp Thr Ser Ile Ala Thr Ala Phe  
65 70 75 80

Met Glu Leu Ser Gly Leu Lys Ser Asp Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Ala Thr Asp Pro Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Ala Leu Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Gly Thr  
130 135 140

Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile  
145 150 155 160

Gly Ile Asn Ala Val Asn Trp Tyr Lys Gln Leu Pro Gly Thr Ala Pro  
165 170 175

Lys Leu Leu Ile Tyr Asn Asn Asn Gln Arg Pro Ser Trp Val Arg Asp  
180 185 190

Arg Phe Ser Gly Ser Lys Asp Gly Thr Ser Val Ser Leu Ala Ile Ser  
195 200 205

Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp  
210 215 220

Asp Ser Leu Asn Ala Tyr Val Phe Gly Gly Gly Thr Lys Val Thr Val  
225 230 235 240

Leu Gly

<210> 1986

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1986

Glu Val Gln Leu Met Gln Ser Gly Ala Glu Leu Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Leu Ser Cys Lys Pro Ser Gly Tyr Thr Val Thr Pro Phe  
20 25 30

2324

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile His Ser Ser Ser Gly Asn Thr Ala Tyr Ala His Asn Phe  
 50 55 60

Gln Gly Arg Ile Ala Met Ile Ser Asp Thr Ser Thr Gly Ser Val Tyr  
 65 70 75 80

Met Glu Leu Ser Gly Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Thr Asp Gly Pro Thr Tyr Ala Arg Pro Tyr Tyr Leu Asp His Trp  
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln  
 130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys  
 145 150 155 160

Ser Gly Asp Arg Ser Asn Ile Gly Ser Asn Tyr Val His Trp Tyr Arg  
 165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Val Leu Ile Tyr Asn Asn Ser Gln  
 180 185 190

Arg Pro Ser Gly Val Pro Ala Arg Phe Ser Ala Ser Arg Ser Gly Thr  
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asp  
 210 215 220

Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Arg Gly Trp Val Phe Gly  
 225 230 235 240

Gly Gly Thr Lys Val Thr Val Leu Gly  
 245

<210> 1987

<211> 253

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1987

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Arg Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Tyr His  
 20 25 30

Tyr Leu His Trp Val Arg Gln Val Pro Gly Arg Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Arg Asn Tyr Ile Thr Thr Asn Ala Gln Thr Phe  
 50 55 60

Gln Gly Arg Leu Ser Met Thr Thr Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Asp Asp Thr Gly Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Ser Ser Gly Thr Leu Gly Glu Phe Ser Leu Glu Leu Pro  
 100 105 110

Phe Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser  
 130 135 140

Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Ala Pro Gly Gln Arg Val  
 145 150 155 160

Thr Phe Ser Cys Ser Gly Gly Ser Ser Asn Ile Gly Ser Ser Tyr Val  
 165 170 175

Tyr Trp Tyr Arg Gln Leu Pro Gly Ser Ala Pro Lys Leu Val Ile Tyr  
 180 185 190

Arg Asn Asp Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Phe  
 195 200 205

Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu  
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Arg Leu Arg Gly  
 225 230 235 240

Leu Ala Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

<210> 1988

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1988

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Gly Ser Cys Lys Ser Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Thr Thr Leu Gly Arg Asn Tyr Thr Ser Ser Trp Ser Leu Asp Tyr Trp  
 100 105 110

Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr  
 130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr  
 145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln  
 165 170 175

Lys Pro Arg Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asp Arg  
 180 185 190

2327

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr  
 195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
 210 215 220

Tyr Cys Asn Ser Arg Asp Thr Ser Gly Asn His Leu Val Phe Gly Thr  
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 1989

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1989

Gln Val Gln Leu Gln Gln Ser Gly Ala Gly Val Arg Arg Pro Gly Thr  
 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Thr Ser Gly Tyr Ile Phe Ser Gln Tyr  
 20 25 30

Pro Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val  
 35 40 45

Ala Trp Ile Asp Thr Gly Asn Gly Ser Thr Arg Tyr Ser Pro Asn Phe  
 50 55 60

Gln Asp Arg Val Thr Val Thr Arg Asp Thr Ser Ala Asn Thr Ala Tyr  
 65 70 75 80

Leu Glu Leu Arg Ser Leu Arg Phe Thr Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Thr Asn Ala Phe Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala  
 130 135 140

Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Asn  
 145 150 155 160

Tyr Tyr Ala Gly Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Ala Leu  
 165 170 175

Val Ile Ser Gly Lys Asn Asn Arg Ala Ser Gly Ile Pro Asp Arg Phe  
 180 185 190

Ser Ser Ser Asp Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala  
 195 200 205

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser  
 210 215 220

Gly Asn Leu Ile Ile Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
 225 230 235 240

<210> 1990

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1990

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gly  
 1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Pro  
 20 25 30

Asn Trp Arg Ser Trp Val Arg Gln Pro Pro Gly Lys Val Leu Glu Trp  
 35 40 45

Ile Gly Glu Ile Tyr His Ser Gly Ser Ile Asn Tyr Asn Pro Ser Leu  
 50 55 60

Lys Ser Arg Gly Thr Met Ser Val Asp Lys Ser Lys Asn Gln Phe Ser  
 65 70 75 80

Leu Ile Leu Asn Ser Val Thr Ala Ala Asp Thr Thr Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Arg Gly Tyr Ser Ser Ser Ser Ser Val Tyr Gly Met Asp  
 100 105 110

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu  
 130 135 140

Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg  
 145 150 155 160

Ile Thr Cys Gln Gly Asp Ser Leu Arg Thr Tyr Tyr Ala Asn Trp Tyr  
 165 170 175

Gln Gln Lys Pro Gly Gln Ala Pro Val Val Val Ile Tyr Gly Lys Ile  
 180 185 190

Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly  
 195 200 205

Tyr Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala  
 210 215 220

Asp Tyr Tyr Cys Asn Ser Gly Asp Arg Ser Gly Asn His Tyr Val Phe  
 225 230 235 240

Gly Thr Gly Thr Lys Val Thr Val Leu Gly  
 245 250

<210> 1991

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1991

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ser Ile Ser Ser Ser Ser Ser His Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Val His Ser Ser Gly Ser Trp Gly Gln Gly Thr Leu Val Thr  
100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Ala Leu Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro  
130 135 140

Val Thr Leu Gly Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser  
145 150 155 160

Leu Val His Ser Asp Gly Asn Thr Tyr Leu Asn Trp Phe Gln Gln Arg  
165 170 175

Pro Gly Gln Ser Pro Arg Arg Leu Ile Tyr Lys Val Ser Asn Arg Asp  
180 185 190

Phe Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Tyr Phe  
195 200 205

Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr  
210 215 220

Cys Met Gln Gly Thr His Arg Ile Thr Phe Gly Gln Gly Thr Arg Leu  
225 230 235 240

Glu Ile Lys Arg

<210> 1992

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1992

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Met Val Ser Cys Lys Thr Ser Gly Gly Thr Phe Asn Asn Asp  
20 25 30

Gly Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

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Gly Gly Ile Ile Pro Tyr Phe Gly Thr Thr His Lys Ala Glu Lys Phe  
50 55 60

Gln Asp Arg Val Thr Ile Thr Ala Asp Glu Ser Ala Gly Thr Val Leu  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Ser Ala Ile Tyr Tyr Cys  
85 90 95

Ala Arg Lys Arg Gly Asp Phe Gly Val Ile Arg Leu His His Tyr Tyr  
100 105 110

Gly Met Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu  
130 135 140

Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
145 150 155 160

Thr Ala Arg Ile Thr Cys Ser Gly Asp Ala Leu Pro Asn Gln Tyr Ala  
165 170 175

Tyr Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
180 185 190

Lys Asp Ser Glu Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser  
195 200 205

Ser Ser Gly Thr Thr Val Thr Leu Thr Ile Ser Gly Val Gln Ala Glu  
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Ala Asp Ser Ser Ser His Val  
225 230 235 240

Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 1993

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1993

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
 1 5 10 15  
 Thr Leu Ser Leu Thr Cys Ser Val Ser Gly Gly Ser Val Ser Ser Arg  
 20 25 30  
 Thr Gln Tyr Trp Gly Trp Ile Arg Leu Pro Pro Gly Lys Gly Leu Glu  
 35 40 45  
 Trp Ile Ala Ser Leu Ser Phe Asp Gly Thr Thr Tyr Tyr Asn Pro Ser  
 50 55 60  
 Leu Lys Ser Arg Val Thr Leu Ser Arg Asp Met Ser Lys Asn His Leu  
 65 70 75 80  
 Ser Leu Asn Leu Asn Ser Val Thr Asp Ala Asp Thr Ala Val Tyr Tyr  
 85 90 95  
 Cys Ala Arg His Asp Val Tyr Gly Asp Leu Phe Asp Ser Trp Gly Arg  
 100 105 110  
 Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125  
 Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro  
 130 135 140  
 Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Leu Ser Cys Ser Gly  
 145 150 155 160  
 Ser Ser Ser Asn Ile Glu Tyr Asn Ser Val Ser Trp Tyr Gln His Leu  
 165 170 175  
 Pro Gly Ala Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Gln Arg Pro  
 180 185 190  
 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala  
 195 200 205  
 Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220  
 Cys Ala Thr Trp Asp Asp Arg Leu Leu Asn Pro Val Phe Gly Gly Gly  
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
245

<210> 1994

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1994

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
20 25 30

Asp Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Glu Gly Leu Glu  
35 40 45

Trp Ile Gly Tyr Ile Tyr His Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60

Leu Lys Ser Arg Val Ser Met Ser Val Asp Thr Ser Lys Asn Gln Tyr  
65 70 75 80

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Arg Leu Arg Pro Asp Ala Asp Tyr Gly Asp Tyr Gly Phe Asp  
100 105 110

Tyr Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Val  
130 135 140

Leu Thr Gln Pro Pro Ser Ala Ser Ala Thr Pro Gly Gln Arg Val Thr  
145 150 155 160

Ile Ser Cys Ser Gly Ser Arg Ser Asn Ile Gly Ser Asn Tyr Val Tyr  
165 170 175

Trp Tyr Gln Gln Phe Pro Gly Ala Ala Pro Lys Leu Leu Ile Tyr Arg  
180 185 190

Ser Tyr Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp  
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ala Thr Trp Asp Asp Arg Leu Arg Gly Leu  
 225 230 235 240

Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
 245 250

<210> 1995

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1995

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu  
 1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Ala Ser Gly Tyr Asn Phe Ala Asn Tyr  
 20 25 30

Trp Ile Ala Trp Val Arg Gln Thr Pro Gly Lys Gly Leu Gln Leu Met  
 35 40 45

Gly Ile Ile Tyr Pro Gly Asp Ser Glu Thr Lys Tyr Ser Pro Ser Phe  
 50 55 60

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Ser Ala Met Tyr Tyr Cys  
 85 90 95

Ala Arg Thr Ser Glu Arg Gly Thr Tyr Arg Gln Trp Asp Phe Asp Asn  
 100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr  
 130 135 140

Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln Thr Ala Ser Ile Thr  
 145 150 155 160

Cys Ser Gly Asp Lys Leu Gly Asn Lys Phe Ala Ser Trp Tyr Gln Gln  
165 170 175

Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr Gln Asp Met Lys Arg  
180 185 190

Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr  
195 200 205

Ala Thr Leu Thr Ile Thr Gly Ile Gln Ala Met Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys Gln Ala Trp Asp Ser Ser Thr Ala Gly Tyr Val Phe Gly Thr  
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 1996

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1996

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Asn Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Asn Gly Gly Arg Thr Ser His Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Ile Thr Met Thr Lys Asp Thr Ser Thr Ser Met Val Tyr  
65 70 75 80

Leu Glu Leu Ser Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Phe Cys  
85 90 95

Ala Arg Glu Ala Gly Glu Val Ala Ala Ile Asp Tyr Trp Gly Arg Gly  
100 105 110

Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val Thr Gln Pro Pro Ser  
 130 135 140

Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser  
 145 150 155 160

Arg Ser Asn Ile Ala Ser Asn Tyr Val Asn Trp Tyr Gln Gln Leu Pro  
 165 170 175

Gly Thr Ala Pro Lys Leu Leu Ile Tyr Lys Asn Asn Leu Arg Pro Ser  
 180 185 190

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser  
 195 200 205

Leu Ala Ile Ser Gly Leu Gln Ser Gly Asp Glu Ala Asp Tyr Tyr Cys  
 210 215 220

Glu Thr Trp Asp Asp Arg Leu Asn Val Val Val Phe Gly Gly Gly Thr  
 225 230 235 240

Lys Leu Thr Val Leu Gly  
 245

<210> 1997  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 1997  
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Thr Phe Ser Thr Tyr  
 20 25 30

Ala Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Thr Val Ile Pro Ser Ser Gly Ile Arg Lys Tyr Ala Gln Asn Phe  
 50 55 60

Glu Gly Arg Val Thr Ile Gly Ala Asp Asp Ser Pro Thr Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Gly Asp Thr Ala Ile Phe Tyr Cys  
85 90 95

Ala Arg Gly Lys Arg Tyr Ser Tyr Gly Trp Tyr Phe Asp Ile Trp Gly  
100 105 110

Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro  
130 135 140

Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Ile Ile Ser Cys Thr  
145 150 155 160

Gly Ser Ser Pro Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln  
165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Asn  
180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr  
195 200 205

Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Ala Asp Glu Ala Asp  
210 215 220

Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Arg Gly Tyr Val Phe Gly  
225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly  
245

<210> 1998

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1998

Gln Leu Gln Leu Gln Glu Ser Asp Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15

Thr Leu Ser Leu Thr Cys Ser Gly Ser Gly Gly Ser Val Ser Ser Arg  
20 25 30

Thr Gln Tyr Trp Gly Trp Ile Arg Leu Pro Pro Gly Lys Gly Leu Glu  
35 40 45

Trp Ile Ala Ser Leu Ser Phe Asp Gly Thr Thr Tyr Tyr Asn Pro Ser  
50 55 60

Phe Lys Ser Arg Val Thr Leu Ser Arg Asp Met Ser Lys Asn His Leu  
65 70 75 80

Ser Leu Asn Leu Asn Ser Val Thr Asp Ala Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Arg His Asp Val Tyr Gly Asp Leu Phe Asp Ser Trp Gly Arg  
100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro  
130 135 140

Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Leu Ser Cys Ser Gly  
145 150 155 160

Ser Ser Ser Asn Ile Glu Tyr Asn Ser Val Ser Trp Tyr Gln His Leu  
165 170 175

Pro Gly Ala Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Gln Arg Pro  
180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala  
195 200 205

Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr  
210 215 220

Cys Ala Thr Trp Asp Asp Arg Leu Leu Asn Pro Val Phe Gly Gly Gly  
225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
245

<210> 1999

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1999



Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Ile Ser Cys Glu Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Thr Val Ile Pro Asp Ser Asn Ile Arg Lys Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Pro Arg Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Gly Asp Thr Ala Ile Phe Tyr Cys  
 85 90 95

Ala Arg Gly Lys Arg Tyr Ser Tyr Gly Trp Tyr Phe Asp Val Trp Gly  
 100 105 110

Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro  
 130 135 140

Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr  
 145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Phe Gln  
 165 170 175

Lys Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Thr Asn  
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr  
 195 200 205

Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp  
 210 215 220

Tyr Tyr Cys Gln Ser Tyr Asp Arg Ser Leu Ser Gly Tyr Val Phe Gly  
 225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly  
245

<210> 2000

<211> 248

<212> PRT

<213> Homo sapiens

<400> 2000

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Lys Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala  
20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Gly Arg Ile Lys Thr Lys Thr Asp Gly Gly Thr Thr Asp Tyr Pro Ala  
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr  
65 70 75 80

Val Tyr Leu Gln Met Ser Ser Leu Gln Ser Glu Asp Thr Gly Val Tyr  
85 90 95

Tyr Cys Thr Thr Leu His Cys Thr Gly Gly Ser Cys Gly Phe Trp Gly  
100 105 110

Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro  
130 135 140

Ser Ser Ala Ser Ala Thr Pro Gly Gln Gly Val Thr Ile Ser Cys Ser  
145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Gln  
165 170 175

Val Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Gln Arg  
180 185 190

Pro Ser Gly Val Pro Glu Arg Leu Ser Gly Ser Lys Ser Gly Thr Ser  
195 200 205

2341

Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr  
 210 215 220

Tyr Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Val Val Phe Gly Gly  
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 2001

<211> 251

<212> PRT

<213> Homo sapiens

<400> 2001

Glu Val Gln Leu Val Gln Ser Gly Thr Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Met Lys Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr  
 20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asp Pro Thr Ser Gly Arg Thr Val Tyr Ala Gln Arg Phe  
 50 55 60

Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Leu Thr Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr Phe Cys  
 85 90 95

Ala Arg Glu Arg Gly Gly Arg Asp Gly Asp Tyr Ala Leu Asp Phe Trp  
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Glu Leu Thr  
 130 135 140

Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser  
 145 150 155 160

Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val His Trp  
165 170 175

Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn  
180 185 190

Ala Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Pro  
195 200 205

Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu Asp Glu  
210 215 220

Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Asn Met Ser Gly Trp Ile  
225 230 235 240

Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 2002

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2002

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gly  
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Ser Arg Gly Ser Thr Ser Ser Arg  
20 25 30

Asn Trp Trp/Ser Trp Val Arg Gln Phe Pro Glu Lys Gly Leu Glu Trp  
35 40 45

Ile Gly Glu Ile Ser His Thr Gly Thr Thr Asn Tyr Asn Pro Ser Leu  
50 55 60

Lys Gly Arg Val Ser Ile Ser Ile Asp Asn Ser Lys Asn Gln Phe Ser  
65 70 75 80

Leu Lys Met Thr Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Arg Thr Pro Asp His Asn Gly Asp Ser Gly Pro Pro Asp Tyr  
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu  
 130 135 140

Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile  
 145 150 155 160

Thr Cys Gln Gly Asp Ser Leu Arg Thr Tyr Tyr Ala Asn Trp Tyr Gln  
 165 170 175

Gln Lys Pro Gly Gln Ala Pro Val Val Val Ile Tyr Gly Lys Asn Asn  
 180 185 190

Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Tyr  
 195 200 205

Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp  
 210 215 220

Tyr Tyr Cys Asn Ser Gly Asp Arg Ser Gly Asn His Tyr Val Phe Gly  
 225 230 235 240

Thr Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 2003

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2003

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
225 230 235

<210> 2004

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2004

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Ser Leu Thr Gly Gly Ala Phe Asp Ile Trp Gly Arg Ser  
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val  
130 135 140

Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser  
145 150 155 160

Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro  
165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser  
180 185 190

Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser  
195 200 205

Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
210 215 220

Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys  
225 230 235 240

Leu Thr Val Leu Gly  
245

<210> 2005

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2005

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 225 230 235

<210> 2006

<211> 237

<212> PRT

<213> Homo sapiens



&lt;400&gt; 2006

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala  
145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
165 170 175

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
180 185 190

Gly Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
195 200 205

Asp Glu Ala Asp Tyr Tyr Cys Asn Pro Arg Asp Ser Ser Gly Asn His  
210 215 220

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235

2348

&lt;210&gt; 2007

&lt;211&gt; 240

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2007

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

<210> 2008

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2008

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Ala Gly Ser Arg Tyr Phe Asp Leu Trp Gly Gln Ser Thr  
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val  
 130 135 140

Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg  
 145 150 155 160

Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val  
 165 170 175

Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg  
 180 185 190

2350

Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly  
 195 200 205

Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser  
 210 215 220

Ser Gly Asn His Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 225 230 235 240

Gly

<210> 2009

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2009

Gly Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Gly Asp Arg Ala Phe Asp Ile Trp Gly Arg Ser Thr Leu  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly  
 130 135 140

Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp  
 145 150 155 160

Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys  
 165 170 175

Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val  
 180 185 190

Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr  
 195 200 205

Val Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser  
 210 215 220

Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr  
 225 230 235 240

Val Leu Gly

<210> 2010

<211> 236

<212> PRT

<213> Homo sapiens

<400> 2010

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val  
 100 105 110

2352

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala  
145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Ser Val Leu Val Ile Tyr  
165 170 175

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
180 185 190

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
195 200 205

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg  
210 215 220

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235

<210> 2011

<211> 244

<212> PRT

<213> Homo sapiens

<400> 2011

Gly Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Gly Asn Ala Trp Gly Ala Phe Asp Ile Trp Gly Arg Ser Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser  
130 135 140

Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser  
145 150 155 160

Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly  
165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly  
180 185 190

Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu  
195 200 205

Thr Val Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser  
210 215 220

Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu  
225 230 235 240

Thr Val Leu Gly

<210> 2012

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2012

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Gly Asp Arg Ala Phe Asp Ile Trp Gly Arg Ser Thr Leu  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly  
 130 135 140

Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp  
 145 150 155 160

Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys  
 165 170 175

Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val  
 180 185 190

Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr  
 195 200 205

Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser  
 210 215 220

Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Ala  
 225 230 235 240

Val Leu Gly

<210> 2013

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2013



Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Arg  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30  
 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ser Val Ile Asn Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Lys Val Lys Arg Tyr Tyr Phe Asp Tyr Trp Gly Arg Gly Thr Met  
 100 105 110  
 Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
 115 120 125  
 Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala  
 130 135 140  
 Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser  
 145 150 155 160  
 Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu  
 165 170 175  
 Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190  
 Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala  
 195 200 205  
 Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser  
 210 215 220  
 Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

<210> 2014  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 2014  
 Gln Val Asn Leu Arg Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Leu Thr Gly Ala Asn Asp Ala Phe Asp Ile Trp Gly Arg  
 100 105 110

Ser Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
 145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
 165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro  
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile  
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg  
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr  
 225 230 235 240

Val Leu Gly

<210> 2015  
 <211> 239  
 <212> PRT  
 <213> Homo sapiens

<400> 2015  
 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr  
 20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Gly Ile Asn Trp Asn Gly Gly Ser Thr Gly Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Arg Arg Tyr Ala Leu Asp Tyr Trp Gly Arg Gly Thr Leu Val  
 100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu  
 130 135 140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr  
 145 150 155 160

Tyr Ala Ser Trp Tyr Gln Gln Thr Pro Gly Gln Ala Pro Val Leu Val  
 165 170 175

Ile His Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser  
180 185 190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln  
195 200 205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly  
210 215 220

Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235

<210> 2016

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2016

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 2017

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2017

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
225 230 235

<210> 2018  
<211> 239  
<212> PRT  
<213> Homo sapiens

<400> 2018  
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Gly Phe Ala Leu Tyr Lys Asp Trp Gly Gln Gly Thr Leu Val  
100 105 110

Thr Val Ser Arg Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu  
130 135 140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr  
145 150 155 160

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val  
165 170 175

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser  
180 185 190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln  
195 200 205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly  
210 215 220

Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235

<210> 2019

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2019

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
225 230 235

<210> 2020

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2020

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60



Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
225 230 235

<210> 2021

<211> 242

<212> PRT

<213> Homo sapiens

<400> 2021

Gln Val Asn Leu Arg Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Asp Leu Thr Gly Asp Ala Phe Asp Ile Trp Gly Arg Ser  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asn Pro Ala Val Ser  
 130 135 140

Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu  
 145 150 155 160

Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro  
 165 170 175

Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp  
 180 185 190

Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr  
 195 200 205

Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp  
 210 215 220

Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val  
 225 230 235 240

Leu Gly

<210> 2022

<211> 239

<212> PRT

<213> Homo sapiens

&lt;400&gt; 2022

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Asp Ala Tyr Phe Asp Tyr Trp Gly Arg Gly Thr Met Val  
 100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu  
 130 135 140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr  
 145 150 155 160

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val  
 165 170 175

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser  
 180 185 190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln  
 195 200 205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser Ser Gly  
 210 215 220

Asn His Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235

&lt;210&gt; 2023

&lt;211&gt; 239

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2023

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Val Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Asp Ala Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Met Val  
 100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu  
 130 135 140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr  
 145 150 155 160

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val  
 165 170 175

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser  
 180 185 190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln  
 195 200 205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser Ser Gly  
 210 215 220

Asn His Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235

<210> 2024

<211> 238

<212> PRT

<213> Homo sapiens

<400> 2024

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly  
 130 135 140

Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr  
 145 150 155 160

Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile  
 165 170 175

Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly  
 180 185 190

2368

Ser Ser Ser Gly Asn Ala Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala  
195 200 205

Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn  
210 215 220

His Val Val Phe Gly Arg Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235

<210> 2025

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2025

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 2026

<211> 244

<212> PRT

<213> Homo sapiens

<400> 2026

Gly Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Gly Leu Leu Asp Ala Phe Asp Ile Trp Gly Arg Ser Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser  
130 135 140

Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser  
145 150 155 160

Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly  
165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly  
180 185 190

Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu  
195 200 205

Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser  
210 215 220

Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu  
225 230 235 240

Thr Val Leu Gly

<210> 2027

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2027

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ala Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95



Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 225 230 235

<210> 2028

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2028

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
225 230 235

<210> 2029

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2029

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Gly Asp Ser  
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 2030

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2030

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

2374

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Gly Ser  
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

<210> 2031

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2031

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Met Asn Pro Asn Ser Gly Asn Thr Gly Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asn Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Val Gly Tyr Gly Gly Lys Gly Asp Tyr Trp Gly Arg Gly Thr  
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val  
 130 135 140

Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg  
 145 150 155 160

Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val  
 165 170 175

Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg  
 180 185 190

Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly  
 195 200 205

Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser  
 210 215 220

Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 225 230 235 240

Gly

&lt;210&gt; 2032

&lt;211&gt; 241

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2032

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Ala Gly Ser Arg Tyr Phe Asp Leu Trp Gly Arg Ser Thr  
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val  
 130 135 140

Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg  
 145 150 155 160

Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Leu  
 165 170 175

Leu Val Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg  
 180 185 190

Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly  
 195 200 205

Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser  
 210 215 220

Ser Gly Asn His Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 225 230 235 240

Gly

<210> 2033

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2033

Gln Val Thr Leu Lys Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr  
 20 25 30

His Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Asp Thr Asn Tyr Val Lys Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Val Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Thr Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Leu Ala Pro Ile Val Asp Gly Gly Met Thr Asn Asp Ala  
 100 105 110

Phe Asp Ile Trp Gly Arg Ser Thr Leu Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Ser Glu Leu  
 130 135 140

Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile  
 145 150 155 160

Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln  
165 170 175

Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn  
180 185 190

Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn  
195 200 205

Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp  
210 215 220

Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly  
225 230 235 240

Gly Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 2034

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2034

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125



Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
180 185 190

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu  
195 200 205

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg  
210 215 220

Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235

<210> 2035

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2035

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Arg Leu Ile Arg Lys Ala Arg Trp Gly Gln Gly Thr Leu Val  
 100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Val Val Ser Val Ala Leu  
 130 135 140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr  
 145 150 155 160

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val  
 165 170 175

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser  
 180 185 190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln  
 195 200 205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly  
 210 215 220

Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235

<210> 2036

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2036

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala  
145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
165 170 175

Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
180 185 190

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
195 200 205

Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser Ser Gly Asn His  
210 215 220

Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235

<210> 2037

<211> 244

<212> PRT

<213> Homo sapiens

<400> 2037

Glu Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Arg Gly Asn Gln Ala Phe Asp Ile Trp Gly Arg Ser Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser  
130 135 140

Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser  
145 150 155 160

Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly  
165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly  
180 185 190

Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu  
195 200 205

Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser  
210 215 220

Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu  
225 230 235 240

Thr Val Leu Gly

<210> 2038

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2038

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Arg Pro Gly Gly  
1 5 10 15

2383

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr  
                   20                                  25                                  30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
                   35                                  40                                  45

Ser Gly Ile Asn Trp Asn Gly Gly Ser Thr Gly Tyr Ala Asp Ser Val  
                   50                                  55                                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
                   65                                  70                                  75                                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
                                   85                                  90                                  95

Ala Arg Arg Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly Thr Leu Val  
                   100                                  105                                  110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
                   115                                  120                                  125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu  
                   130                                  135                                  140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr  
                   145                                  150                                  155                                  160

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val  
                                   165                                  170                                  175

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser  
                   180                                  185                                  190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln  
                   195                                  200                                  205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly  
                   210                                  215                                  220

Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
                   225                                  230                                  235

<210> 2039

<211> 237

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2039

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
 130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala  
 145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
 165 170 175

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
 180 185 190

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
 195 200 205

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His  
 210 215 220

Val Val Phe Asp Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235

<210> 2040  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 2040  
 Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Leu Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 225 230 235

<210> 2041

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2041

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Thr Pro Gly  
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
 145 150 155 160

Asn Thr Val Ser Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
 165 170 175



Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
 210 215 220

Leu Asn Ser Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

<210> 2042

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2042

Ala Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Ser Arg Ser Pro Tyr Asp Ala Phe Asp Ile Trp Gly Arg Ser  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val  
 130 135 140

Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser  
 145 150 155 160

Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro  
165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser  
180 185 190

Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser  
195 200 205

Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
210 215 220

Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys  
225 230 235 240

Leu Thr Val Leu Gly  
245

<210> 2043  
<211> 237  
<212> PRT  
<213> Homo sapiens

<400> 2043  
Gln Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 225 230 235

<210> 2044  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 2044  
 Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

<210> 2045

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2045

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Arg Asp Thr Thr Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val  
 100 105 110  
 Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125  
 Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
 130 135 140  
 Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Thr Asn Ile Gly Ser  
 145 150 155 160  
 Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
 165 170 175  
 Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190  
 Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
 195 200 205  
 Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
 210 215 220  
 Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240  
 <210> 2046  
 <211> 242  
 <212> PRT  
 <213> Homo sapiens  
 <400> 2046  
 Gly Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Arg Pro Gly Ala  
 1 5 10 15  
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30  
 Tyr Met His Trp Val Arg Gln Val Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Ser Asn Trp Gly Gly Asp Ala Phe Asp Ile Trp Gly Arg Ser  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser  
 130 135 140

Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu  
 145 150 155 160

Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro  
 165 170 175

Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp  
 180 185 190

Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr  
 195 200 205

Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp  
 210 215 220

Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val  
 225 230 235 240

Leu Gly

<210> 2047

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2047

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30  
 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Ser Leu Ala Phe Asp Ile Trp Gly Lys Ser Thr Leu Val Thr Val  
 100 105 110  
 Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125  
 Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly  
 130 135 140  
 Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly  
 145 150 155 160  
 Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
 165 170 175  
 Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg  
 180 185 190  
 Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
 195 200 205  
 Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr  
 210 215 220  
 Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

&lt;210&gt; 2048

&lt;211&gt; 240

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2048

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
 210 215 220

2395



Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Glu Leu Thr Val Leu Gly  
 225 230 235 240

<210> 2049

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2049

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Glu Pro Gly Ala  
 1 5 10 15

Ser Val Lys Ile Ser Cys Glu Ala Ser Gly Tyr Thr Phe Thr Asn Asn  
 20 25 30

Phe Ile Asp Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Thr Ile Ser Gly Ser Thr Gly Asn Thr Tyr Tyr Lys Gln Gly Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ala Thr Ser Thr Ala Tyr  
 65 70 75 80

Leu Glu Val Arg Gly Leu Thr Ser Glu Asp Thr Ala Ile Tyr Phe Cys  
 85 90 95

Ala Arg Pro Ala Ala Ser Ser Arg Gly Pro Lys Asp Ala Phe Asp Ile  
 100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln  
 130 135 140

Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys  
 145 150 155 160

Ser Gly Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln  
 165 170 175

Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys  
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn  
 195 200 205

Ser Ala Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp  
 210 215 220

Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly  
 225 230 235 240

Thr Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 2050

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2050  
 Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Leu Leu Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Phe Lys Asn Tyr  
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Thr Ile Ser Asp Ser Gly Gly Leu Thr His Ser Ala Asp Ser Leu  
 50 55 60

Lys Gly Arg Val Thr Val Ser Arg Asp Asn Ser Glu Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Leu Ser Gly Asp Ser Trp Gly Gln Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly  
 130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly  
 145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg  
180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr  
210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 2051

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2051

Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser His Tyr  
20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Glu  
35 40 45

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser  
65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Arg Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser  
 130 135 140

Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Asn Ser  
 145 150 155 160

Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys  
 165 170 175

Val Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val  
 180 185 190

Ser Asn Arg Phe Ser Ala Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr  
 195 200 205

Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser  
 210 215 220

Tyr Thr Ser Ser Ser Thr Tyr Ala Phe Gly Thr Gly Thr Lys Leu Thr  
 225 230 235 240

Val Leu Gly

<210> 2052

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2052

Gly Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Arg Phe Ser Asp Tyr  
 20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ser Ile Thr Gly Arg Gly Gly Gly Thr His Tyr Ala Gly Ser Val  
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr  
 65 70 75 80

Leu Gln Met Asn Asn Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Ser Phe Val Leu Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly  
 130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly  
 145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
 165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg  
 180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
 195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr  
 210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

<210> 2053

<211> 238

<212> PRT

<213> Homo sapiens

<400> 2053

Gln Val Gln Leu Gln Gln Trp Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Thr Tyr  
 20 25 30

Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Ser Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Lys Gly Asn Gly Lys Asp Val Trp Gly Arg Gly Thr Leu Val Thr  
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser  
 130 135 140

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser  
 145 150 155 160

Ser Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val  
 165 170 175

Leu Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe  
 180 185 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu  
 195 200 205

Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr  
 210 215 220

Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Val Lys Arg  
 225 230 235

<210> 2054

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2054

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser His Tyr  
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Val  
 35 40 45

2401

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser  
 65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Arg Gly Thr  
 100 105 110

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Asp Val Val Met Thr Gln Ser Pro Ser Ser Val  
 130 135 140

Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln  
 145 150 155 160

Gly Ile Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala  
 165 170 175

Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro  
 180 185 190

Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile  
 195 200 205

Ser Thr Leu Gln Pro Glu Asp Val Ala Thr Tyr Tyr Cys Glu Asn Tyr  
 210 215 220

Asn Ser Val Pro Leu Ser Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
 225 230 235 240

Arg

<210> 2055

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2055

Gln Val Gln Leu Val Gln Ser Gly Gly Asp Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Tyr Ser Ser Tyr  
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Leu Asp Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr  
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Ser Pro  
 130 135 140

Gly Gln Ser Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly  
 145 150 155 160

Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro  
 165 170 175

Lys Phe Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Val Ser Asn  
 180 185 190

Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser  
 195 200 205

Gly Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr  
 210 215 220

Ser Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 225 230 235 240



Gly

&lt;210&gt; 2056

&lt;211&gt; 243

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2056

Gln Val Gln Leu Val Gln Ser Gly Gly Asn Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Asp Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Val Asn Asp Ile Val Val Val Asp Met Asp Val Trp Gly Arg  
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
 145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
 165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro  
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile  
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg  
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr  
 225 230 235 240

Val Leu Gly

<210> 2057

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2057

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Thr Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Ala Ile Trp His Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Lys Arg Gly Ser Arg Arg Val Phe Asp Ile Trp Gly Arg  
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
 145 150 155 160

Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala  
 165 170 175

Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro  
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile  
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg  
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr  
 225 230 235 240

Val Leu Gly

<210> 2058

<211> 244

<212> PRT

<213> Homo sapiens

<400> 2058

Glu Val Gln Leu Val Gln Ser Gly Pro Gln Val Lys Lys Pro Gly Ser  
 1 5 10 15

Pro Val Lys Val Ser Cys Lys Ala Ser Gly Val Thr Phe Ser Ser Thr  
 20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val  
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Lys Ser Ile Tyr Ala Gln Lys Ser  
 50 55 60

Gln Gly Arg Val Thr Ile Ser Ala Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Val Thr Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Val Thr Leu Ser Asn Arg Asn Asp Asn Leu Arg Leu Asp Tyr Trp Gly  
 100 105 110

Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

2406

Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala  
 130 135 140

Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp  
 145 150 155 160

Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln  
 165 170 175

Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile  
 180 185 190

Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr  
 195 200 205

Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser  
 210 215 220

Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu  
 225 230 235 240

Thr Val Leu Gly

<210> 2059

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2059

Gly Val Gln Leu Val Glu Ser Gly Gly Gly Leu Gly Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Arg Phe Ser Asp Tyr  
 20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ser Ile Thr Gly Ser Gly Gly Gly Thr His Tyr Ala Gly Ser Val  
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr  
 65 70 75 80

Leu Gln Met Asn Asn Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Ser Phe Val Leu Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly  
130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly  
145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg  
180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr  
210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 2060

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2060

Gln Val Gln Leu Val Glu Thr Gly Gly Asn Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Pro Thr Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Thr Leu Thr Trp Ala Thr Asn Thr Phe Asp Met Trp Gly Arg Gly Thr  
100 105 110

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val  
130 135 140

Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg  
145 150 155 160

Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val  
165 170 175

Leu Val Ile Tyr Gly Lys Ser Thr Arg Pro Ser Gly Ile Pro Asp Arg  
180 185 190

Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly  
195 200 205

Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser  
210 215 220

Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
225 230 235 240

Gly

<210> 2061  
<211> 240  
<212> PRT  
<213> Homo sapiens

<400> 2061  
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Arg Phe Ser Asp Tyr  
20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ser Ile Thr Gly Ser Gly Gly Gly Thr His Tyr Ala Gly Ser Val  
50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr  
65 70 75 80

Leu Gln Met Asn Asn Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Ser Phe Asp Leu Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly  
130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly  
145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg  
180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr  
210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 2062

<211> 246

<212> PRT

<213> Homo sapiens

&lt;400&gt; 2062

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Gly Ser Leu His Asn Tyr  
 20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Gly Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Val Glu Trp Glu Asp Ile Val Val Gly Ser Ala Phe Asp Ile  
 100 105 110

Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln  
 130 135 140

Ser Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr  
 145 150 155 160

Cys Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln  
 165 170 175

Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu  
 180 185 190

Ala Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp  
 195 200 205

Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr  
 210 215 220

Tyr Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr  
 225 230 235 240

2411



Lys Leu Glu Ile Lys Arg  
245

<210> 2063

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2063

Gln Val Arg Leu Val Gln Ser Gly Gly Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Trp Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Gly Gly Asp Met Thr Thr Val Thr Thr Asp Tyr Trp Gly Arg  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser  
130 135 140

Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala  
145 150 155 160

Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly  
165 170 175

Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly  
180 185 190

Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu  
195 200 205

Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln  
210 215 220

Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu  
225 230 235 240

Ile Lys Arg

<210> 2064

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2064

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Ala Gly Glu  
1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Gly Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Ser Gly Tyr Asn Ala Asn Thr Thr Tyr Ala Gln Asn Leu  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Asp Val Tyr Tyr Cys  
85 90 95

Ala Arg Ala Asp Tyr Ser Asn Asp Tyr Tyr Met Asp Val Trp Gly Lys  
100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser  
130 135 140

Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala  
145 150 155 160

Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly  
165 170 175

Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly  
180 185 190

Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu  
195 200 205

Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln  
210 215 220

Gln Tyr Ser Asp Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu  
225 230 235 240

Ile Lys Arg

<210> 2065

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2065

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser His Tyr  
20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Val  
35 40 45

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Lys Asn Ser Leu Ser  
65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Arg Gly Thr  
100 105 110

Ile Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Ala Ala Ser Ala Gln Ser Val Val Thr Gln Pro  
130 135 140

Pro Ser Ala Ser Gly Ser Pro Gly Gln Ser Val Thr Ile Ser Cys Thr  
145 150 155 160

Gly Thr Ser Ser Asp Ile Gly Ser Tyr Asn Tyr Val Ser Trp Tyr Gln  
165 170 175

Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys  
180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn  
195 200 205

Ser Ala Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp  
210 215 220

Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly  
225 230 235 240

Thr Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 2066  
<211> 250  
<212> PRT  
<213> Homo sapiens

<400> 2066  
Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Asp Thr Phe Ser Ser Tyr  
20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Ala Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Ser Ala Asp Glu Ser Thr Gly Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Gly Pro Ile Tyr Tyr Phe Asp Gly Ser Ala Tyr Glu Gly Tyr  
100 105 110

Tyr Phe Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu  
130 135 140

Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg  
145 150 155 160

Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr  
165 170 175

Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn  
180 185 190

Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly  
195 200 205

Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala  
210 215 220

Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe  
225 230 235 240

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 2067

<211> 238

<212> PRT

<213> Homo sapiens

<400> 2067

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Phe Ser Ala Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
           35                          40                          45

Ser Thr Leu Tyr Ala Asp Gly Pro Ile Tyr Tyr Ala Asp Ser Val Lys  
           50                          55                          60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Leu Tyr Leu  
           65                          70                          75                          80

Gln Met Asn Arg Leu Arg Val Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
                           85                          90                          95

Ser Met Asn Ala Asp Ala Phe Glu Ile Trp Gly Gln Gly Thr Met Val  
                           100                          105                          110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
           115                          120                          125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu  
           130                          135                          140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr  
           145                          150                          155                          160

Tyr Thr Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Leu Leu Val  
                           165                          170                          175

Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser  
                           180                          185                          190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln  
           195                          200                          205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Arg  
           210                          215                          220

Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
           225                          230                          235

<210> 2068

<211> 246

<212> PRT

<213> Homo sapiens

<400> 2068

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Glu Pro Gly Ala  
           1                          5                          10                          15

Ser Val Lys Ile Ser Cys Glu Ala Ser Gly Tyr Thr Phe Thr Asn Asn  
                   20                  25                  30

Phe Ile Asp Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
                   35                  40                  45

Gly Thr Ile Ser Gly Ser Thr Gly Asn Thr Tyr Tyr Lys Gln Gly Phe  
                   50                  55                  60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ala Thr Ser Thr Ala Tyr  
                   65                  70                  75                  80

Leu Glu Val Arg Gly Leu Thr Ser Glu Asp Thr Ala Ile Tyr Phe Cys  
                   85                  90                  95

Ala Arg Pro Ala Ala Ser Ser Arg Gly Pro Lys Asp Ala Phe Asp Ile  
                   100                  105                  110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser  
                   115                  120                  125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp  
                   130                  135                  140

Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln  
                   145                  150                  155                  160

Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln Lys Pro  
                   165                  170                  175

Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg Pro Ser  
                   180                  185                  190

Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser  
                   195                  200                  205

Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
                   210                  215                  220

Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr  
                   225                  230                  235                  240

Lys Leu Thr Val Leu Gly  
                   245

&lt;210&gt; 2069

&lt;211&gt; 244

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2069

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Thr Lys His Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Ser Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Val Leu Ser Ser Leu Ser Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Ser Arg Pro Thr Asn Arg Ala Phe His Tyr Trp Gly Gln  
 100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Pro Val Leu Thr Gln Pro Pro  
 130 135 140

Ser Val Ser Val Ser Pro Gly Gln Thr Ala Ser Ile Thr Cys Ser Gly  
 145 150 155 160

Asp Lys Leu Gly Asp Val Tyr Thr Ser Trp Tyr Gln Gln Lys Ser Gly  
 165 170 175

Gln Ser Pro Val Leu Val Ile Tyr Gln Asp Ser Lys Arg Pro Ser Gly  
 180 185 190

Ile Pro Gly Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr Leu  
 195 200 205



Thr Ile Thr Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Phe Cys Gln  
 210 215 220

Ala Trp Asp Thr Arg Asn Ala Trp Ile Phe Gly Gly Gly Thr Lys Val  
 225 230 235 240

Thr Val Leu Gly

<210> 2070

<211> 248

<212> PRT

<213> Homo sapiens

<400> 2070

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala  
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Gly Arg Ile Lys Thr Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala  
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr  
 65 70 75 80

Val Tyr Leu Gln Met Asn Ser Leu Gln Ser Glu Asp Thr Gly Val Tyr  
 85 90 95

Tyr Cys Thr Thr Leu His Cys Thr Gly Gly Ser Cys Gly Phe Trp Gly  
 100 105 110

Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val Thr Gln Pro  
 130 135 140

Pro Ser Ala Ser Ala Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser  
 145 150 155 160

Gly Thr Thr Ser Asn Ile Gly Ile Asn Thr Val Asn Trp Tyr Gln Gln  
 165 170 175

2420

Leu Pro Gly Thr Ala Pro Arg Leu Leu Ile Tyr Gly Asp Ser Gln Arg  
 180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser  
 195 200 205

Ala Ser Leu Ala Ile Ser Glu Leu Gln Ser Glu Asp Glu Ala Asp Tyr  
 210 215 220

Phe Cys Ala Val Trp Asp Asp Ser Leu Asn Gly Val Ile Phe Gly Gly  
 225 230 235 240

Gly Thr Lys Val Thr Val Leu Gly  
 245

<210> 2071  
 <211> 248  
 <212> PRT  
 <213> Homo sapiens

<400> 2071  
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ile Ile Thr Gly Asn  
 20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Ala Thr Lys Tyr Ala Gln Asn Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Val Arg Asp Asp Ser Ala Gly Phe Asp Tyr Trp Gly Lys Gly  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser  
130 135 140

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser  
145 150 155 160

Ser Ser Asn Ile Gly Ala Gly Tyr Ala Val His Trp Tyr Gln Gln Leu  
165 170 175

Pro Gly Thr Ala Pro Arg Leu Leu Ile Tyr Gly Asn Thr Asn Arg Pro  
180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Ala Thr Ser Gly  
195 200 205

Ser Leu Ala Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Glu Tyr Phe  
210 215 220

Cys Gln Ser Tyr Asp Thr Ser Leu Ser Gly Ala Phe Val Phe Gly Thr  
225 230 235 240

Gly Thr Lys Val Thr Val Leu Gly  
245

<210> 2072

<211> 247

<212> PRT

<213> Homo sapiens

<400> 2072

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Thr  
1 5 10 15

Ser Val Lys Val Ser Cys Gln Ala Ser Gly Gly Ser Leu Ser Arg Tyr  
20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Leu  
35 40 45

Gly Gly Ile Ile Pro Thr Phe Gly Thr Ala His Tyr Ala Gln Lys Phe  
50 55 60

Gln Asp Arg Val Thr Ile Ser Ala Asp Glu Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Thr Ser Asp Asp Thr Ala Ile Tyr Phe Cys  
85 90 95

Ala Arg Val Leu Val Arg Gly Gln Tyr Arg Gly Met Asp Leu Cys Cys  
 100 105 110

Lys Gly Thr Met Val Val Val Thr Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Tyr Ser Glu Leu Thr Gln  
 130 135 140

Asp Pro Thr Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys  
 145 150 155 160

His Gly Asp Ser Leu Lys Asn Tyr His Ala Ser Trp Tyr Gln Gln Lys  
 165 170 175

Ser Gly Gln Ala Pro Val Leu Val Ile Tyr Ser Asn Asn Lys Arg Pro  
 180 185 190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala  
 195 200 205

Ser Leu Thr Ile Ser Gly Ala Gln Ser Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220

Cys Ser Ala Arg Asp Ser Ser Gly Ser His Val Ile Phe Gly Ala Gly  
 225 230 235 240

Thr Lys Val Thr Val Leu Gly  
 245

<210> 2073  
 <211> 250  
 <212> PRT  
 <213> Homo sapiens

<400> 2073  
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Phe Ile Pro Ile Phe Gly Thr Glu Tyr Tyr Ala Glu Arg Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr  
65 70 75 80

Leu Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Val Asp Tyr Thr Asp Tyr Glu Met Gly Ala Phe Asp Leu Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln  
130 135 140

Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys  
145 150 155 160

Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr  
165 170 175

Gln Gln Leu Pro Gly Lys Gly Pro Lys Val Leu Met Tyr Asp Asn Asn  
180 185 190

Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly  
195 200 205

Ala Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala  
210 215 220

Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Asp Gly Tyr Val Phe  
225 230 235 240

Gly Thr Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 2074

<211> 250

<212> PRT

<213> Homo sapiens

<400> 2074

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Ser Thr Ile Tyr  
 20 25 30

His Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Arg Ile Ala Ala Ala Gly Gly Asp Ala Phe Asp Ile Trp  
 100 105 110

Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln  
 130 135 140

Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys  
 145 150 155 160

Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val His Trp Tyr  
 165 170 175

Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Thr  
 180 185 190

Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp  
 195 200 205

Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu Asp Glu Ala  
 210 215 220

Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Met Ser Gly Trp Ile Phe  
 225 230 235 240

Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
 245 250

2425

&lt;210&gt; 2075

&lt;211&gt; 246

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2075

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Tyr Tyr  
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Thr Thr Ser Tyr Ser Gly Glu Asn Thr Phe Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Ile Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Ser Arg Leu Thr Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Lys Asp Leu Tyr Lys Asn Gly Tyr Ala Leu Phe Asp Ser Trp Gly  
 100 105 110

Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Asp Val Val Met Thr Gln  
 130 135 140

Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Gly Val Thr Ile Thr  
 145 150 155 160

Cys Arg Ala Ser Gln Ser Ile Ser Asn His Leu Ser Trp Tyr Gln Gln  
 165 170 175

Lys Pro Gly Lys Ala Pro Asn Val Leu Ile Tyr Ala Ala Ser Ser Leu  
 180 185 190

Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp  
 195 200 205

Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ser Ala Ile Tyr  
 210 215 220

Tyr Cys Gln Gln Ser Tyr Asp Thr Pro Pro Thr Phe Gly Gln Gly Thr  
 225 230 235 240

Arg Leu Glu Ile Lys Arg  
 245

<210> 2076

<211> 247

<212> PRT

<213> Homo sapiens

<400> 2076

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Tyr Thr Phe Ala Ser Tyr  
 20 25 30

Phe Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Asn Gly Gly Ile Thr Arg Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Glu Tyr Ser Ser Leu Tyr Met Asp Val Trp Gly Arg Gly  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser  
 130 135 140

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Ala Gly Ser  
 145 150 155 160

Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val Gln Trp Tyr Gln Gln Leu  
 165 170 175

2427



Pro Gly Thr Ala Pro Lys Leu Leu Ile His Asn Asn Asn Asn Arg Pro  
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ala Lys Ser Gly Ser Ser Ala  
 195 200 205

Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220

Cys Gln Ser Phe Asp Ser Ser Leu Ser Arg Trp Val Phe Gly Gly Gly  
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly  
 245

<210> 2077

<211> 246

<212> PRT

<213> Homo sapiens

<400> 2077

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Ile Ser Cys Thr Ala Ser Gly Phe Thr Phe Lys Asp Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Leu Ile Tyr Tyr Asp Gly Ser Lys Glu Tyr Tyr Ala Asp Ser Val  
 50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Arg Asn Ala Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Val Ser Phe Gly Ala Gly Arg Leu Tyr Asp Asp Tyr Trp Gly Arg Gly  
 100 105 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Ala Leu Thr Gln Pro Ala Ser  
 130 135 140

Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Leu Ser Cys Thr Gly Thr  
 145 150 155 160

Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His  
 165 170 175

Pro Gly Lys Ala Pro Glu Leu Leu Ile Tyr Asp Val Thr Asn Arg Pro  
 180 185 190

Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala  
 195 200 205

Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220

Cys Asn Ser Tyr Thr Gly Ser Asn Thr Trp Val Phe Gly Gly Gly Thr  
 225 230 235 240

Lys Leu Thr Val Leu Gly  
 245

<210> 2078

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2078

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr  
 65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Gln  
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro  
 130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly  
 145 150 155 160

Ser Ser Ser Asn Ile Gly Ala Asp Tyr Asp Val His Trp Tyr Gln Leu  
 165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Thr Asn Arg  
 180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser  
 195 200 205

Ala Ser Leu Thr Ile Ala Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr  
 210 215 220

Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Ser Val Val Phe Gly  
 225 230 235 240

Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 2079

<211> 246

<212> PRT

<213> Homo sapiens

<400> 2079

Glu Val Gln Leu Val Gln Ser Gly Ala Gly Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Gln Ala Ser Gly Tyr Thr Phe Thr Gly Phe  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Ala Thr Lys Tyr Ser Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr  
65 70 75 80

Met Glu Leu Thr Arg Leu Asn Ser Asp Asp Thr Ala Phe Tyr Phe Cys  
85 90 95

Ala Arg Asp Gln Gly Ile Glu Thr Ala Asn Asp Tyr Trp Gly Arg Gly  
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Ala Leu Thr Gln Pro Arg Ser  
130 135 140

Val Ser Gly Ser Pro Gly Gln Ser Val Ala Ile Ser Cys Thr Gly Thr  
145 150 155 160

Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His  
165 170 175

Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Gly Val Ser Asn Arg Pro  
180 185 190

Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala  
195 200 205

Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr  
210 215 220

Cys Asn Ser Trp Thr Ser Ser Ser Thr Phe Val Phe Gly Thr Gly Thr  
225 230 235 240

Lys Leu Thr Val Leu Gly  
245

<210> 2080

<211> 256

<212> PRT

<213> Homo sapiens

<400> 2080

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Pro Phe Thr His Tyr  
20 25 30

Gly Val Asn Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Lys Thr His Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Thr Thr Val Tyr  
65 70 75 80

Met Asp Val Arg Gly Leu Thr Thr Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Ile Leu Pro Asp Tyr Asp Phe Trp Asn Pro Asn Glu Asp  
100 105 110

Ala Ser Ser Leu Asp Thr Trp Gly Lys Gly Thr Leu Val Thr Val Ser  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
130 135 140

Ala Gln Ser Ala Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly  
145 150 155 160

Gln Ser Ile Thr Ile Ser Cys Ser Gly Thr Ser Ser Asp Val Gly Thr  
165 170 175

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
180 185 190

Leu Met Ile Tyr Asp Val Asn Asn Arg Pro Ser Gly Val Ser His Arg  
195 200 205

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
210 215 220

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Tyr Thr Thr  
225 230 235 240

Ile Ser Thr Tyr Val Phe Gly Thr Gly Thr Lys Leu Thr Val Leu Gly  
245 250 255

&lt;210&gt; 2081

&lt;211&gt; 262

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2081

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ile Tyr Asn Ile Tyr  
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Ser Ile Ser Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Phe Gln Met Val Arg Gly Val Phe Ile Ala Asn Pro Pro  
 100 105 110

Ile Tyr Asn Tyr Tyr Gly Met Asp Val Trp Gly Lys Gly Thr Thr Val  
 115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
 130 135 140

Gly Gly Ser Ala Leu Glu Ile Val Met Thr Gln Ser Pro Leu Ser Leu  
 145 150 155 160

Pro Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln  
 165 170 175

Ser Leu Leu His Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln  
 180 185 190

Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Leu Gly Ser Asn Arg  
 195 200 205

Ala Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp  
 210 215 220

Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr  
 225 230 235 240

Tyr Cys Met Gln Ala Leu Gln Thr Pro Leu Thr Phe Gly Gly Gly Thr  
 245 250 255

Lys Val Glu Ile Lys Arg  
 260

<210> 2082

<211> 254

<212> PRT

<213> Homo sapiens

<400> 2082

Gln Val Gln Leu Val Gln Ser Gly Ala Asp Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Tyr Thr Tyr Thr Ser His  
 20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Met  
 35 40 45

Gly Val Ile Asn Pro Ser Gly Gly Ala Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Thr Thr Val Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Phe Glu Asp Thr Ala Ile Tyr Tyr Cys  
 85 90 95

Val Arg Asp Ala Asp Glu Gly Leu Val Glu Ala Glu Thr Thr Asn Trp  
 100 105 110

Phe Asp Ser Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Ala Gln Ser  
 130 135 140

Val Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val  
 145 150 155 160

Thr Ile Ser Cys Thr Gly Gly Ser Ser Asn Ile Gly Ala Ser Tyr Asp  
165 170 175

Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile  
180 185 190

Ser Gly Asn Thr Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly  
195 200 205

Ser Asn Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala  
210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Asn Ser Leu Ser  
225 230 235 240

Gly Trp Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 2083

<211> 258

<212> PRT

<213> Homo sapiens

<400> 2083

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15

Thr Leu Ser Leu Thr Cys Asp Ile Ser Gly Asp Ser Val Ser Ser Asn  
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu  
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Tyr Thr Asp Tyr Ala  
50 55 60

Glu Ser Val Lys Ser Arg Leu Ala Ile Asn Pro Asp Thr Ser Lys Asn  
65 70 75 80

Gln Phe Ser Leu Gln Leu Ser Ser Val Thr Pro Glu Asp Thr Ala Val  
85 90 95

Tyr Tyr Cys Ala Arg Ala Thr Lys Ser Tyr Asp Ile Leu Thr Arg Met  
100 105 110



Tyr Tyr Tyr His Met Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val  
 115 120 125

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 130 135 140

Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Ala Ser Gly Thr Pro  
 145 150 155 160

Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly  
 165 170 175

Ser Asn Thr Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys  
 180 185 190

Leu Leu Ile Tyr Gly Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg  
 195 200 205

Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly  
 210 215 220

Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp  
 225 230 235 240

Ser Leu Ser Val Pro Trp Val Phe Gly Thr Gly Thr Lys Leu Thr Val  
 245 250 255

Leu Gly

<210> 2084  
 <211> 242  
 <212> PRT  
 <213> Homo sapiens

<400> 2084  
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Gly Ser Tyr  
 20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Thr Ile Asn Pro Ser Ser Gly Ser Thr Ser Tyr Thr Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Lys Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Arg Thr Arg Met Asp Val Trp Gly Gln Gly Thr Leu Val  
100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser  
130 135 140

Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu  
145 150 155 160

Arg Thr Tyr Tyr Ala Asn Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro  
165 170 175

Val Val Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp  
180 185 190

Arg Phe Ser Gly Ser Ser Ser Gly Tyr Thr Ala Ser Leu Thr Ile Thr  
195 200 205

Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Gly Asp  
210 215 220

Arg Ser Gly Asn His Tyr Val Phe Gly Thr Gly Thr Lys Leu Thr Val  
225 230 235 240

Leu Gly

<210> 2085

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2085

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Ser Tyr  
20 25 30

Gly Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Val Ser Gly Asn Arg Gly Asn Thr Gln Tyr Ala Gln Lys Phe  
50 55 60

Gln Asp Arg Val Arg Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Val Val Tyr Phe Cys  
85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp  
100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln  
130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys  
145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln  
165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln  
180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala  
195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn  
210 215 220

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly  
225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly  
245

&lt;210&gt; 2086

&lt;211&gt; 248

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2086

Glu Val Gln Leu Val Gln Ser Gly Pro Glu Val Lys Thr Pro Gly Ala  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Pro Ser Gly Tyr Thr Val Ala Asn His  
 20 25 30

Gly Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Val Ser Leu Tyr Asn Gly Asn Ala Lys Ser Ala Gln Lys Phe  
 50 55 60

Gln Asp Arg Val Thr Met Thr Ala Asp Thr Ser Thr Ala Thr Ala Tyr  
 65 70 75 80

Leu Asp Leu Lys Ser Leu Arg Tyr Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Val Arg Asp Glu Ile Tyr Asn Asp Ala Phe Asp Tyr Trp Gly Lys Gly  
 100 105 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val Thr Gln Pro Pro Ser  
 130 135 140

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser  
 145 150 155 160

Ser Ser Asn Ile Gly Ala Gly Phe Asp Val Gln Trp Tyr Gln His Leu  
 165 170 175

Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asp Asn Asn Arg Pro  
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Ala Ser Lys Ser Gly Thr Ser Ala  
 195 200 205

Ser Leu Ala Ile Thr Gly Leu His Val Asp Asp Glu Ala Asp Tyr Tyr  
 210 215 220

Cys Gln Ser Tyr Asp Ser Gly Leu Gly Gly Ser Tyr Val Phe Gly Thr  
 225 230 235 240

Gly Thr Lys Val Thr Val Leu Gly  
 245

<210> 2087

<211> 255

<212> PRT

<213> Homo sapiens

<400> 2087

Glu Val Gln Leu Val Gln Ser Gly Pro Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Ser Ala Gly Tyr Thr Ser Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Ile Met Thr Arg Asp Thr Ser Thr Ser Thr Leu Tyr  
 65 70 75 80

Met Asp Leu Asn Ser Leu Arg Ser Glu Asp Thr Ala Met Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Gly Asp Ile Ser Asp Ser Pro Ile Asn Asn Gln Asn Tyr  
 100 105 110

Ala Met Asp Ile Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln  
 130 135 140

Ser Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg  
 145 150 155 160

Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr  
 165 170 175

Asn Val His Trp Tyr His Gln Leu Pro Gly Thr Ala Pro Gln Leu Leu  
180 185 190

Ile Tyr Gly Asn Ile Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser  
195 200 205

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Thr Ile Thr Gly Leu Gln  
210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Ser Leu  
225 230 235 240

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250 255

<210> 2088

<211> 248

<212> PRT

<213> Homo sapiens

<400> 2088

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu  
1 5 10 15

Ser Leu Arg Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr  
20 25 30

Trp Ile Ser Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met  
35 40 45

Gly Arg Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe  
50 55 60

Gln Gly His Val Thr Ile Ser Ala Asp Arg Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Ala Arg Arg Gly Gly Thr Ser Glu Asn Tyr Ser Gly Met Asp Val Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr  
130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr  
145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Thr Tyr Tyr Ala Asn Trp Tyr Gln Gln  
165 170 175

Lys Pro Gly Gln Ala Pro Val Val Val Ile Tyr Gly Lys Asn Asn Arg  
180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Tyr Thr  
195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Tyr Cys Asn Ser Gly Asp Arg Ser Gly Asn His Tyr Val Phe Gly Thr  
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
245

<210> 2089

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2089

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Ala Lys Lys Pro Gly Ala  
1 5 10 15

Ser Leu Gln Ile Ser Cys Lys Ala Ser Gly Tyr Asn Phe Ile Ser Tyr  
20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Val Ile Tyr Pro Asn Gly Gly Ala Thr Phe Tyr Ala Gln Lys Phe  
50 55 60

Gln Ser Arg Val Ala Met Ser Arg Asp Thr Ser Thr His Thr Val Tyr  
65 70 75 80

Met Asp Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Val Arg Asp Tyr Pro His Asn Ala Phe Asp Ile Trp Gly Arg Gly Thr  
 100 105 110

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 115 120 125

Gly Gly Gly Gly Ser Ala Gln Ser Ala Leu Thr Gln Pro Ala Ser Val  
 130 135 140

Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser  
 145 150 155 160

Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln His His Pro  
 165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Val Asn Asn Arg Pro Ser  
 180 185 190

Gly Ile Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser  
 195 200 205

Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
 210 215 220

Ser Ser Tyr Thr Ser Ser Thr Thr Leu Val Phe Gly Gly Gly Thr Lys  
 225 230 235 240

Val Thr Val Leu Gly  
 245

<210> 2090  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<400> 2090  
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Leu Ser Cys Lys Ala Ser Ala Tyr Thr Phe Tyr Ser Tyr  
 20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Thr Tyr Ala Gln Lys Phe  
 50 55 60



Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Gln Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Val Arg Ser Asp Arg Phe Trp Ser Gly Gly Tyr Phe His  
100 105 110

Tyr Ser Gly Met Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
130 135 140

Ala Gln Ser Ala Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly  
145 150 155 160

Gln Ser Val Thr Ile Ser Cys Ala Gly Thr Ser Ser Asp Ile Gly Gly  
165 170 175

His Asp Phe Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys  
180 185 190

Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Ile Ser His Arg  
195 200 205

Phe Ala Ala Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly  
210 215 220

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr  
225 230 235 240

Ile Ser Ser Thr Phe Arg Val Phe Gly Gly Gly Thr Lys Val Thr Val  
245 250 255

Leu Gly

<210> 2091

<211> 248

<212> PRT

<213> Homo sapiens

<400> 2091

Glu Val Gln Leu Val Gln Ala Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15  
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr  
 20 25 30  
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45  
 Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
 50 55 60  
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80  
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys  
 85 90 95  
 Ala Arg Ser Thr Leu Glu Val Gly Ala Thr Asp Phe Asp Tyr Trp Gly  
 100 105 110  
 Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125  
 Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Pro Val Leu Thr Gln Pro  
 130 135 140  
 Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser  
 145 150 155 160  
 Gly Ser Thr Ser Asn Ile Gly Ile Asn Tyr Val Tyr Trp Tyr Gln Gln  
 165 170 175  
 Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Arg Asn Asn Gln Arg  
 180 185 190  
 Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser  
 195 200 205  
 Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Glu Tyr  
 210 215 220  
 Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Gly Tyr Val Phe Gly Ile  
 225 230 235 240

Gly Thr Lys Val Thr Val Leu Gly  
245

<210> 2092  
<211> 247  
<212> PRT  
<213> Homo sapiens

<400> 2092  
Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Gln Ser Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Ser Phe Ser Asn Tyr  
20 25 30

Trp Met Gly Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Asn Ile Lys Lys Asp Gly Thr Asp Thr Arg Tyr Val Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Val Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Tyr Ser Leu Arg Val Glu Asp Thr Ala Asn Tyr Tyr Cys  
85 90 95

Ala Arg Ser Asp Asp Trp Gly Ala Tyr His Ile Trp Gly Arg Gly Thr  
100 105 110

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val  
130 135 140

Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser  
145 150 155 160

Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro  
165 170 175

Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Ser Asn Arg Pro Ser  
180 185 190

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser  
195 200 205

Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
 210 215 220

Gln Ser Tyr Asp Ser Ser Leu Ser Gly Ser Val Val Phe Gly Gly Gly  
 225 230 235 240

Thr Lys Val Thr Val Leu Gly  
 245

<210> 2093

<211> 250

<212> PRT

<213> Homo sapiens

<400> 2093

Gln Val Gln Leu Val Gln Ser Gly Thr Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Met Lys Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr  
 20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ile Ile Asp Pro Thr Ser Gly Arg Thr Val Tyr Ala Gln Arg Phe  
 50 55 60

Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80

Met Glu Leu Thr Ser Leu Lys Ser Gly Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Arg Gly Gly Arg Asp Gly Asp Tyr Ala Leu Asp Phe Trp  
 100 105 110

Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln  
 130 135 140

Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys  
 145 150 155 160

Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val His Trp Tyr  
165 170 175

Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Ser  
180 185 190

His Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp  
195 200 205

Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu Asp Glu Ala  
210 215 220

Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser Gly Trp Ile Phe  
225 230 235 240

Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 2094

<211> 248

<212> PRT

<213> Homo sapiens

<400> 2094

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Asn Gly Gly Arg Val Ser Tyr Ala Gln Lys Phe  
50 55 60

Gln Asp Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Leu Val Gly Ala Pro Gly Gly Phe Asp Pro Trp Gly Arg  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser  
130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly  
145 150 155 160

Ser Ser Ser Asn Ile Gly Thr Gly Tyr Asp Val His Trp Tyr Gln His  
165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asp Thr Asn Arg  
180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp Thr Ser  
195 200 205

Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Glu Tyr  
210 215 220

Tyr Cys Gln Ser Tyr Asp Ser Ser Arg Arg Gly Tyr Val Phe Gly Thr  
225 230 235 240

Gly Thr Lys Val Thr Val Leu Gly  
245

<210> 2095

<211> 250

<212> PRT

<213> Homo sapiens

<400> 2095

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Phe Ile Pro Ile Phe Gly Thr Glu Tyr Tyr Ala Glu Arg Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr  
65 70 75 80

Leu Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Val Val Tyr Tyr Cys  
85 90 95

Ala Arg Val Asp Tyr Thr Asp Tyr Glu Met Gly Ala Phe Asp Leu Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln  
130 135 140

Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys  
145 150 155 160

Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr  
165 170 175

Gln Gln Leu Pro Gly Lys Gly Pro Lys Val Leu Met Tyr Asp Asn Asn  
180 185 190

Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly  
195 200 205

Ala Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala  
210 215 220

Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Asp Gly Tyr Val Phe  
225 230 235 240

Gly Thr Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 2096

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2096

Gln Leu Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Glu Phe Ile Phe Ser Asp His  
20 25 30

Tyr Val Asp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Arg Ser Arg Asp Lys Ala Gly Arg Tyr Thr Thr Glu Tyr Ala Ala  
50 55 60

Ser Val Lys Gly Arg Phe Ile Val Ser Arg Asp Asp Ala Arg Asp Ser  
65 70 75 80

Val Tyr Leu Gln Met Asn Ser Leu Lys Val Glu Asp Thr Ala Val Tyr  
85 90 95

Tyr Cys Ala Arg Ser Val Ala Gly Arg Gly Asn Phe Asp Tyr Trp Gly  
100 105 110

Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln  
130 135 140

Asp Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys  
145 150 155 160

Ser Gly Ser Gly Ser Asn Ile Gly Ser Asn Tyr Val Tyr Trp Tyr Gln  
165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Arg Ser Thr Gln  
180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Ala Ser Lys Ser Gly Thr  
195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Asp Asp Glu Ala Asp  
210 215 220

Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Ser Gly Tyr Val Phe Gly  
225 230 235 240

Pro Gly Thr Lys Val Thr Val Leu Gly  
245

<210> 2097

<211> 250

<212> PRT

<213> Homo sapiens

<400> 2097



Glu Val Gln Leu Val Gln Ser Gly Thr Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15  
 Ser Leu Lys Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr  
 20 25 30  
 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45  
 Gly Ile Ile Asp Pro Thr Ser Gly Arg Thr Val Tyr Ala Gln Arg Phe  
 50 55 60  
 Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
 65 70 75 80  
 Met Glu Leu Thr Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Arg Glu Arg Gly Gly Arg Asp Gly Asp Tyr Ala Leu Asp Phe Trp  
 100 105 110  
 Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125  
 Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val Thr Gln  
 130 135 140  
 Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys  
 145 150 155 160  
 Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val His Trp Tyr  
 165 170 175  
 Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Ser  
 180 185 190  
 His Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp  
 195 200 205  
 Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu Asp Glu Ala  
 210 215 220  
 Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser Gly Trp Ile Phe  
 225 230 235 240

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 2098

<211> 253

<212> PRT

<213> Homo sapiens

<400> 2098

Glu Val Gln Leu Val Gln Ser Gly Ala Ala Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr  
20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Val Asn Gly Asn Thr Ile Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Gly Thr Val Asn  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Phe Tyr Cys  
85 90 95

Val Arg Glu Gly Gly Gly Asp Ala Tyr Asp Val Ala Pro Tyr Tyr Phe  
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val  
130 135 140

Leu Thr Gln Gln Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr  
145 150 155 160

Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val  
165 170 175

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr  
180 185 190

Gly Asn Ser His Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser  
195 200 205

Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu  
210 215 220

Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser Asp  
225 230 235 240

Trp Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 2099

<211> 242

<212> PRT

<213> Homo sapiens

<400> 2099

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Asp Tyr  
20 25 30

Phe Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Lys Asn Gly Gly Thr Tyr Phe Ala Gln Asp Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Gly Asp Thr Ser Ile Ala Thr Ala Phe  
65 70 75 80

Met Glu Leu Ser Gly Leu Lys Ser Asp Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Ala Thr Asp Pro Phe Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Ala Leu Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Gly Thr  
130 135 140

Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile  
145 150 155 160

Gly Ile Asn Ala Val Asn Trp Tyr Lys Gln Leu Pro Gly Thr Ala Pro  
165 170 175

Lys Leu Leu Ile Tyr Asn Asn Asn Gln Arg Pro Ser Trp Val Arg Asp  
180 185 190

Arg Phe Ser Gly Ser Lys Asp Gly Thr Ser Val Ser Leu Ala Ile Ser  
195 200 205

Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp  
210 215 220

Asp Ser Leu Asn Ala Tyr Val Phe Gly Gly Gly Thr Lys Val Thr Val  
225 230 235 240

Leu Gly

<210> 2100

<211> 252

<212> PRT

<213> Homo sapiens

<400> 2100

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Tyr Ile Phe Arg Asn His  
20 25 30

Asp Val Asn Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Val  
35 40 45

Gly Trp Met Asn Pro Thr Ser Gly Asn Thr Gly Ile Gly Gln Lys Phe  
50 55 60

Gln Gly Arg Val Lys Met Thr Arg Asp Asn Ser Lys Asp Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Asp Asp Thr Ala Thr Tyr Phe Cys  
85 90 95

Ala Arg Ala Leu Leu Gly Leu Pro Ser Asp Phe Ser Tyr Tyr Val Asp  
100 105 110

Val Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala His Val Ile Leu  
130 135 140

Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile  
145 150 155 160

Ser Cys Thr Gly Gly Ser Ser Asn Leu Gly Ala Gly Ser Asp Val His  
165 170 175

Trp Tyr Gln Gln Leu Pro Arg Thr Ala Pro Lys Leu Leu Ile Tyr Ala  
180 185 190

Asn Thr Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Lys Ser Leu Ser Gly Val  
225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 2101

<211> 253

<212> PRT

<213> Homo sapiens

<400> 2101

Glu Val Gln Leu Val Gln Ser Gly Ala Ala Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Asn Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr  
20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Ile Asn Gly Asn Thr Ile Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Gly Thr Val Asn  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Phe Tyr Cys  
85 90 95

Ala Arg Glu Gly Glu Gly Asp Gly Tyr Asn Val Ala Pro Tyr Tyr Phe  
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val  
130 135 140

Val Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr  
145 150 155 160

Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val  
165 170 175

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr  
180 185 190

Gly Asn Ser His Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser  
195 200 205

Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu  
210 215 220

Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser Gly  
225 230 235 240

Trp Ile Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly  
245 250

<210> 2102

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2102

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Ser Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Thr Asp Tyr Gly Gly Phe Asp Tyr Trp Gly Lys Gly Thr Leu  
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
 145 150 155 160

Leu Arg Thr Tyr Tyr Ala Asn Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
 165 170 175

Pro Val Val Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro  
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Tyr Thr Ala Ser Leu Thr Ile  
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Gly  
 210 215 220

Asp Arg Ser Gly Asn His Tyr Val Phe Gly Thr Gly Thr Gln Leu Thr  
 225 230 235 240

Val Leu Ser

<210> 2103

<211> 247

<212> PRT

<213> Homo sapiens

<400> 2103

Glu Val Gln Leu Val Gln Ser Gly Ala Asp Val Lys Lys Pro Gly Glu  
 1 5 10 15

Ser Leu Lys Ile Ser Cys Glu Gly Ser Gly Tyr Thr Phe Ala Asn Tyr  
 20 25 30

Trp Ile Thr Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met  
 35 40 45

Gly Arg Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Pro Ser Phe  
 50 55 60

Gln Gly His Val Thr Met Ser Val Asp Lys Ser Ile Asn Thr Ala Tyr  
 65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Lys Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Gly Val Gly Asp Ser Arg Gly Val Phe Asp Pro Trp Gly  
 100 105 110

Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly  
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln  
 130 135 140

Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys  
 145 150 155 160

Gln Gly Asp Ser Leu Arg Thr Tyr Tyr Ala Asn Trp Tyr Gln Gln Lys  
 165 170 175

Pro Gly Gln Ala Pro Val Val Val Ile Tyr Gly Lys Asn Asn Arg Pro  
 180 185 190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Tyr Thr Ala  
 195 200 205

Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr  
 210 215 220

Cys Asn Ser Gly Asp Arg Ser Gly Asn His Tyr Val Phe Gly Thr Gly  
 225 230 235 240



Thr Lys Leu Thr Val Leu Gly  
245

<210> 2104

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2104

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 225 230 235

<210> 2105

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2105

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

<210> 2106

<211> 242

<212> PRT

<213> Homo sapiens

<400> 2106

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Ser Leu Thr Gly Asp Ala Phe Asp Ile Trp Gly Arg Ser  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser  
 130 135 140

Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu  
 145 150 155 160

Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro  
165 170 175

Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp  
180 185 190

Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr  
195 200 205

Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp  
210 215 220

Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val  
225 230 235 240

Leu Gly

<210> 2107

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2107

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Ser Pro Leu His Phe Ser Asp Ala Phe Asp Ile Trp Gly Arg  
100 105 110

Ser Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val  
130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser  
145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala  
165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro  
180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile  
195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg  
210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr  
225 230 235 240

Val Leu Gly

<210> 2108

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2108

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Gly Ser Ser Asn Ile Gly Ser  
145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 2109

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2109

Glu Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Glu Val Gly Gly Ala Phe Asp Ile Trp Gly Arg Ser Thr Leu  
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
115 120 125

Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly  
130 135 140

Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp  
145 150 155 160

Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys  
165 170 175

Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val  
180 185 190

Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr  
195 200 205

Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser  
210 215 220

Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr  
225 230 235 240

Val Leu Gly

<210> 2110

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2110

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Gly Thr Pro  
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
225 230 235

&lt;210&gt; 2111

&lt;211&gt; 237



&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2111

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Tyr Thr Leu Ser Ala Ser Val  
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 225 230 235

<210> 2112

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2112

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Arg Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln  
 130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala  
 145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
 165 170 175

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
 180 185 190

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
 195 200 205

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His  
 210 215 220

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235

<210> 2113

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2113

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
 180 185 190

Ser Gly Ser Lys Ser Ser Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 225 230 235 240

<210> 2114

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2114

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 225 230 235

<210> 2115

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2115

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Arg  
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
 225 230 235

<210> 2116  
 <211> 245  
 <212> PRT  
 <213> Homo sapiens

<400> 2116  
 Glu Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Glu Ser Leu Thr Gly Asp Ala Phe Asp Ile Trp Gly Arg Ser  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val  
 130 135 140

Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser  
 145 150 155 160

Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro  
 165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser  
 180 185 190

Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser  
 195 200 205

Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys  
 210 215 220

Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys  
 225 230 235 240

Leu Thr Val Leu Gly  
 245

<210> 2117

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2117

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val  
100 105 110

Phe Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu  
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe  
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu  
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser  
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
225 230 235 240

<210> 2118

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2118

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45



Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val  
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val  
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser  
145 150 155 160

Trp Leu Val Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu  
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser  
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg  
225 230 235

<210> 2119

<211> 256

<212> PRT

<213> Homo sapiens

<400> 2119

Gln Val Gln Leu Val Gln Ser Gly Gly Asp Phe Val Gln Pro Gly Gly  
1 5 10 15

Pro Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Asp Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Thr Ile Ser Ser Gly Gly Gly Ser Thr Phe Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Val Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Leu Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Val Lys Gly Ala His Tyr Tyr Asp Arg Ser Pro Ser His Leu Lys Ser  
100 105 110

Tyr Trp Tyr Phe Asp Leu Trp Gly Lys Gly Thr Leu Val Thr Val Ser  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
130 135 140

Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly  
145 150 155 160

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser  
165 170 175

Asn Pro Leu Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu  
180 185 190

Leu Ile Tyr Thr Asn Asp Gln Arg Pro Ser Gly Val Pro Asp Arg Phe  
195 200 205

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu  
210 215 220

Gln Ser Glu Asp Ala Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser  
225 230 235 240

Leu Gly Thr Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250 255

&lt;210&gt; 2120

&lt;211&gt; 249

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2120

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Ser Tyr  
 20 25 30

Gly Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Val Ser Gly Asn Arg Gly Asn Thr Gln Tyr Ala Gln Lys Phe  
 50 55 60

Gln Asp Arg Val Arg Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Phe Cys  
 85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp  
 100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln  
 130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys  
 145 150 155 160

Ser Ala Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln  
 165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln  
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala  
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn  
 210 215 220

2478

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly  
 225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly  
 245

<210> 2121

<211> 248

<212> PRT

<213> Homo sapiens

<400> 2121

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ser Ser Gly Gly Thr Phe Ser Ser Tyr  
 20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Val Gly Ile Ile Pro Ile Phe Gly Thr Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ile Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Thr Thr Leu Gly Arg Asn Tyr Thr Ser Ser Trp Ser Leu Asp Tyr Trp  
 100 105 110

Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr  
 130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr  
 145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln  
 165 170 175

Lys Pro Arg Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asp Arg  
 180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr  
 195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr  
 210 215 220

Tyr Cys Asn Ser Arg Asp Thr Ser Gly Asn His Leu Val Phe Gly Thr  
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly  
 245

<210> 2122

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2122

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Ser Tyr  
 20 25 30

Gly Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Val Ser Gly Asn Arg Gly Asn Thr Gln Tyr Ala Gln Lys Phe  
 50 55 60

Gln Asp Arg Val Arg Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Phe Cys  
 85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp  
 100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Ser Gly  
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln  
 130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys  
 145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln  
 165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln  
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala  
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn  
 210 215 220

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly  
 225 230 235 240

Ser Gly Thr Lys Val Thr Val Leu Gly  
 245

<210> 2123

<211> 255

<212> PRT

<213> Homo sapiens

<400> 2123

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Val Val Gln Ser Gly Thr  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Met Phe Arg Ser Tyr  
 20 25 30

Glu Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Leu Ile Ser Tyr Asp Gly Ser Asn Glu Asn Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Glu Asn Thr Leu Tyr  
 65 70 75 80

Val Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Gly Arg Tyr Gly Tyr Tyr Asp Gly Thr Gly Tyr Val  
 100 105 110

Asp Ala Phe Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala  
 130 135 140

Gln Pro Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln  
 145 150 155 160

Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Val Asn  
 165 170 175

Thr Val Asp Trp Tyr Leu Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu  
 180 185 190

Ile Phe Asn Asn Asp Leu Arg Pro Ser Gly Val Pro Ala Arg Phe Ser  
 195 200 205

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln  
 210 215 220

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu  
 225 230 235 240

Asn Gly Pro Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250 255

<210> 2124

<211> 247

<212> PRT

<213> Homo sapiens

<400> 2124

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr  
65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Arg  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser  
130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Met Ser Cys Thr Gly  
145 150 155 160

Ser Ser Ser Ile Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln  
165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn Thr Asn Arg  
180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Thr Ser  
195 200 205

Ala Ser Leu Ala Ile Thr Gly Leu Gln Asp Glu Asp Glu Ala Asp Tyr  
210 215 220

Phe Ser Gln Ser Tyr Gly Ile Thr Leu Ser Ala Val Phe Gly Thr Gly  
225 230 235 240

Thr Lys Val Ala Val Leu Gly  
245

<210> 2125

<211> 251

<212> PRT

<213> Homo sapiens

<400> 2125

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Thr Lys Pro Gly Ala  
1 5 10 15



Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Ser Thr Tyr  
20 25 30

Lys Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Leu  
35 40 45

Gly Trp Ile Ser Pro Asn Ser Gly Gly Thr Asn Phe Ala Gln Ile Leu  
50 55 60

Gln Gly Arg Val Ala Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Leu Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Val Arg Gln Gln Ile Ala Asp Pro Pro Arg Ser Phe Phe Asp  
100 105 110

Pro Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Pro Val Leu  
130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile  
145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp  
165 170 175

Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Met Tyr Ser Asn  
180 185 190

Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser  
195 200 205

Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu  
210 215 220

Ala Asp Tyr Tyr Cys Gln Ser Phe Asp Ser Ser Leu Asn Val Arg Ile  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

&lt;210&gt; 2126

&lt;211&gt; 247

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2126

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Arg Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr  
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val  
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr  
65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys  
85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Arg  
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr His Pro Ser  
130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Met Ser Cys Thr Gly  
145 150 155 160

Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln  
165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn Thr Asn Arg  
180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Thr Ser  
195 200 205

Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Phe Cys Gln Ser Tyr Asp Ile Thr Leu Ser Ala Val Phe Gly Thr Gly  
 225 230 235 240

Thr Lys Val Thr Val Leu Gly  
 245

<210> 2127

<211> 247

<212> PRT

<213> Homo sapiens

<400> 2127

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr  
 65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Arg  
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Gln Ser  
 130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Met Ser Cys Thr Gly  
 145 150 155 160

Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln  
 165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn Thr Asn Arg  
180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Thr Ser  
195 200 205

Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr  
210 215 220

Phe Cys Gln Ser Tyr Asp Ile Thr Leu Ser Ala Val Phe Gly Thr Gly  
225 230 235 240

Thr Lys Val Thr Val Leu Gly  
245

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<213> Homo sapiens

<400> 2128

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Thr Lys Pro Gly Ala  
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Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Ser Thr Tyr  
20 25 30

Lys Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Leu  
35 40 45

Gly Trp Ile Ser Pro Asn Ser Gly Gly Thr Asn Phe Ala Gln Ile Leu  
50 55 60

Gln Gly Arg Val Ala Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Leu Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Val Arg Gln Gln Ile Ala Asp Pro Pro Arg Ser Phe Phe Asp  
100 105 110

Pro Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly  
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu  
130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile  
 145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Ser Val Asn Trp  
 165 170 175

Tyr Gln Gln Leu Ser Gly Thr Ala Pro Lys Leu Leu Met Tyr Ser Asn  
 180 185 190

Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser  
 195 200 205

Gly Ala Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu  
 210 215 220

Ala Asp Tyr Tyr Cys Gln Ser Phe Asp Ser Ser Leu Asn Val Arg Ile  
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

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Gly Met Asp Val  
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Gly Pro Tyr Tyr Phe Asp Tyr  
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Val

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<400> 2143  
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<210> 2144  
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<400> 2144  
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1 5 10 15

<210> 2145  
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<400> 2145  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu Gly Tyr Tyr Leu Ser  
1 5 10 15

<210> 2146  
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<212> PRT  
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<400> 2146  
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1 5 10

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<400> 2147  
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<400> 2148  
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<400> 2151  
Ser Arg Asp Leu Leu Leu Phe Pro His His Gly Leu Asp Val  
1 5 10

<210> 2152  
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<400> 2152  
Ser Arg Asp Leu Leu Leu Phe Pro His His Ser Leu Asp Leu  
1 5 10

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<400> 2153  
Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe Asp Ile  
1 5 10 15

<210> 2154  
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Asp Gly Ser Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Asp Asn Tyr Met  
1 5 10 15

Asp Val

<210> 2155  
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 <212> PRT  
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<400> 2155  
 Phe Asn Pro Thr Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Gly Gly Tyr  
 1 5 10 15

Phe Gln His

<210> 2156  
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<400> 2156  
 Gly Gly Asp Tyr Asp Ile Leu Thr Gly Leu Tyr Tyr Tyr Gly Met Asp  
 1 5 10 15

Val

<210> 2157  
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 <212> PRT  
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<400> 2157  
 Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Leu Asp Ile  
 1 5 10 15

<210> 2158  
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 <212> PRT  
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<400> 2158  
 Glu Gly Gly Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Gly Asn Gly  
 1 5 10 15

Ala Phe Asp Ile  
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<210> 2159  
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<400> 2159  
Ser Ser Pro Pro Lys Trp Tyr Asp Ala Leu Thr Gly His Ser Ser Tyr  
1 5 10 15

His Ser Ala Met Asp Val  
20

<210> 2160  
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<400> 2160  
Asp Gly Ile Asp Ile Leu Leu Val Pro Ala Ala Leu Met Asp Val  
1 5 10 15

<210> 2161  
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<212> PRT  
<213> Homo sapiens

<400> 2161  
Gly Met Gly Asp His Tyr Gly Met Asp Val  
1 5 10

<210> 2162  
<211> 19  
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<400> 2162  
Gly Arg Trp Asp Tyr Asp Leu Leu Thr Gly Glu His Leu Gly Tyr Tyr  
1 5 10 15

Phe Asp Tyr

<210> 2163  
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<212> PRT  
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<400> 2163  
Gly Tyr His Asp Pro Leu Thr Ser Tyr Asn Tyr Asn Trp Phe Asp Pro  
1 5 10 15

<210> 2164  
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<212> PRT  
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&lt;400&gt; 2164

Gln Asp Asn Asp Pro Leu Thr Gly Tyr Lys Leu Gly Phe Asp Tyr  
 1 5 10 15

&lt;210&gt; 2165

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2165

Ser Ser Pro Pro Lys Trp Tyr Asp Ala Leu Thr Gly Asp Ser Ser Tyr  
 1 5 10 15

His Ser Ala Met Asp Val  
 20

&lt;210&gt; 2166

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2166

Ser His Tyr Asp Ile Leu Thr Gly Leu Asn Tyr Trp Tyr Phe Asp Leu  
 1 5 10 15

&lt;210&gt; 2167

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2167

His Val Arg Asp Tyr Asp Ile Leu Thr Gly Tyr Tyr Arg Gly His Tyr  
 1 5 10 15

Phe Asp Tyr

&lt;210&gt; 2168

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2168

Asp Glu Gly Arg Asp Leu Leu Thr Gly Tyr Tyr Trp Pro Asn Phe Phe  
 1 5 10 15

Asp Ser

&lt;210&gt; 2169

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2169

Ser Ser Pro Pro Arg Trp Tyr Asp Ala Leu Thr Gly Asp Ser Ser Tyr  
1 5 10 15

His Ser Ala Met Asp Val  
20

&lt;210&gt; 2170

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2170

Gly Gly Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Phe Gly Leu Gly Val  
1 5 10 15

Tyr Asp Tyr

&lt;210&gt; 2171

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2171

Glu Gly Ser Tyr Asp Ile Leu Thr Gly Tyr Tyr Val Gly Val Gly Arg  
1 5 10 15

Met Asp Val

&lt;210&gt; 2172

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2172

Asp Arg Glu Ala Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Tyr Tyr  
1 5 10 15

Tyr Tyr Met Asp Val  
20

&lt;210&gt; 2173

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2173

Thr Asp Tyr Asp Ile Leu Thr Gly Tyr Pro Met Gly Tyr Phe Asp Pro  
 1 5 10 15

<210> 2174

<211> 16

<212> PRT

<213> Homo sapiens

<400> 2174

Glu Leu Gly Leu Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp Met  
 1 5 10 15

<210> 2175

<211> 8

<212> PRT

<213> Homo sapiens

<400> 2175

Asp Gln Gly Arg Tyr Leu Asp Leu  
 1 5

<210> 2176

<211> 24

<212> PRT

<213> Homo sapiens

<400> 2176

Asp Arg Gly Ala Pro Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr Ala Pro  
 1 5 10 15

Ala Gln Gly Val Ala Phe Asp Ile  
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<210> 2177

<211> 15

<212> PRT

<213> Homo sapiens

<400> 2177

Val Tyr Tyr Asp Ile Leu Thr Gly Tyr Asn Leu Phe Phe Asp Tyr  
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<210> 2178

<211> 9

<212> PRT

<213> Homo sapiens

<400> 2178

Ser Glu Gly Thr Ile Phe Gly Val Asp  
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<210> 2179

<211> 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2179

Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe Asp Tyr  
1 5 10 15

&lt;210&gt; 2180

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2180

Ala Gly Asn Glu Tyr Gly His Thr Glu Arg Pro Ala Asp Tyr  
1 5 10

&lt;210&gt; 2181

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2181

Gly Lys Gly Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Arg Asp Asn Trp  
1 5 10 15

Phe Asp Pro

&lt;210&gt; 2182

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2182

Glu Gly Met Asn Asp Phe Ile Asn Ser His His Tyr Tyr Thr Met Asp  
1 5 10 15

Ala

&lt;210&gt; 2183

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2183

Asp Ala Gln Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr Gln Ser Tyr Ala  
1 5 10 15

Phe Asp Ile

<210> 2184  
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<400> 2184  
Ser Leu Ala Thr Arg Pro Leu Gly Met Asp Val  
1 5 10

<210> 2185  
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<212> PRT  
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<400> 2185  
Glu Asn Tyr Asp Ser Leu Thr Gly Tyr Tyr Gly Ala Phe Asp Ile  
1 5 10 15

<210> 2186  
<211> 16  
<212> PRT  
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<400> 2186  
Lys Leu Gly Leu Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp Met  
1 5 10 15

<210> 2187  
<211> 15  
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<213> Homo sapiens

<400> 2187  
Asp His Phe Asp Thr Leu Thr Gly Tyr Phe Arg Arg Leu Asp Ser  
1 5 10 15

<210> 2188  
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<213> Homo sapiens

<400> 2188  
Asp Gly Arg Leu Ser Tyr Asp Ile Leu Thr Gly Tyr Tyr Ala Arg Asp  
1 5 10 15

Tyr Tyr Gly Met Asp Asp  
20

<210> 2189  
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<212> PRT  
<213> Homo sapiens

<400> 2189



Thr Pro Ser Ser Val Tyr Asp Leu Leu Thr Gly Tyr Tyr His Tyr Phe  
1 5 10 15

Tyr Ser Tyr Met Asp Val  
20

<210> 2190

<211> 10

<212> PRT

<213> Homo sapiens

<400> 2190

Glu Lys Ser Ala Ala Gly Tyr Phe Asp Tyr  
1 5 10

<210> 2191

<211> 11

<212> PRT

<213> Homo sapiens

<400> 2191

Asp Gly Tyr Arg Thr Asn Asp Ala Leu Asp Ile  
1 5 10

<210> 2192

<211> 7

<212> PRT

<213> Homo sapiens

<400> 2192

Thr Gly Ser Gly Phe Asp Tyr  
1 5

<210> 2193

<211> 6

<212> PRT

<213> Homo sapiens

<400> 2193

Asp Trp Asp Met Asp Val  
1 5

<210> 2194

<211> 12

<212> PRT

<213> Homo sapiens

<400> 2194

Asp Ser Gly Ser Tyr Tyr Tyr Asp Ala Phe Asp Ile  
1 5 10

<210> 2195

<211> 11

<212> PRT  
<213> Homo sapiens

<400> 2195  
Asp Asn Gly Gly Thr Ile Gly Phe Asp Tyr  
1 5 10

<210> 2196  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 2196  
Glu Ser Gly Ala Gly Gly Tyr Tyr Tyr Asp Asp Tyr  
1 5 10

<210> 2197  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 2197  
Val Gly Ile Lys Ala Ala Val Asp Asn Phe Glu Tyr  
1 5 10

<210> 2198  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 2198  
Asp Ala Ser Arg Asp Ile Val Val Leu Pro Leu Ala Ile  
1 5 10

<210> 2199  
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<212> PRT  
<213> Homo sapiens

<400> 2199  
Asn Leu Trp Gly Leu Asp Tyr  
1 5

<210> 2200  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 2200  
Val His Ser Thr Gly Tyr Ala Phe Glu Asn  
1 5 10

<210> 2201  
<211> 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2201

Glu Tyr Ser Gly Tyr His Tyr Val Glu Gly Gly Ser Tyr Ala Met Asp  
1 5 10 15

Val

&lt;210&gt; 2202

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2202

Asp Asn Leu His Ala Ala Phe Asp Ile  
1 5

&lt;210&gt; 2203

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2203

Asp Thr Thr Asp Tyr  
1 5

&lt;210&gt; 2204

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2204

Glu Gly Gly Gly Asp Ala Tyr Asp Val Ala Pro Tyr Tyr Phe Asp Tyr  
1 5 10 15

&lt;210&gt; 2205

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2205

Trp Thr Ser Ser Gly Ala Phe Asp Ile  
1 5

&lt;210&gt; 2206

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2206

Tyr Tyr Tyr His Ser Ser Gly Ser Asp Ala Phe Asp Ile  
1 5 10

<210> 2207  
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<400> 2207  
Asp Leu Gly Ile Ala Gly Thr Ile Tyr Phe Asp Tyr  
1 5 10

<210> 2208  
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<212> PRT  
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<400> 2208  
Asp Leu Asp Phe Asp Tyr  
1 5

<210> 2209  
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<212> PRT  
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<400> 2209  
Glu Gly Pro Gly Tyr Tyr Tyr Gly Met Asp Val  
1 5 10

<210> 2210  
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<400> 2210  
Phe Val Leu Asp Tyr  
1 5

<210> 2211  
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<212> PRT  
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<400> 2211  
Gly Asn Ala Trp Gly Ala Phe Asp Ile  
1 5

<210> 2212  
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<212> PRT  
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Asp Arg Gly Ser Gly Trp Pro Asn Trp Tyr Phe Asp Leu  
1 5 10

<210> 2213  
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<400> 2213  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Ser Ser Leu Leu Ser  
1 5 10 15

<210> 2214  
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<400> 2214  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu His Tyr Tyr Ala His  
1 5 10 15

<210> 2215  
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<212> PRT  
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<400> 2215  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu His Tyr Tyr Ala Leu  
1 5 10 15

<210> 2216  
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<212> PRT  
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<400> 2216  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu His Tyr Tyr Leu Tyr  
1 5 10 15

<210> 2217  
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<400> 2217  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu His Tyr Tyr Ser Ala  
1 5 10 15

<210> 2218  
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<212> PRT  
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<400> 2218  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Phe His Phe Tyr Pro Val  
1 5 10 15

<210> 2219  
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<212> PRT  
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<400> 2219  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu His Tyr Tyr Thr His  
1 5 10 15

<210> 2220  
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<400> 2220  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu Met Tyr Phe Pro His  
1 5 10 15

<210> 2221  
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<212> PRT  
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<400> 2221  
Pro Phe Tyr Asp Ala Leu Thr Ser Tyr Val Phe Gln Tyr Phe Asp His  
1 5 10 15

<210> 2222  
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<212> PRT  
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<400> 2222  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu Pro Phe Tyr Ala Leu  
1 5 10 15

<210> 2223  
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<212> PRT  
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<400> 2223  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu Pro Leu Asp Ser  
1 5 10 15

<210> 2224  
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<212> PRT  
<213> Homo sapiens

<400> 2224  
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu Pro Leu Leu Ser  
1 5 10 15

&lt;210&gt; 2225

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2225

Pro	Phe	Tyr	Asp	Thr	Leu	Thr	Ser	Tyr	Val	Leu	Pro	Pro	Ser	Val
1				5					10					15

&lt;210&gt; 2226

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2226

Pro	Phe	Tyr	Asp	Thr	Leu	Thr	Ser	Tyr	Val	Leu	Lys	Tyr	Tyr	Thr	Asp
1				5					10						15

&lt;210&gt; 2227

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2227

Pro	Phe	Tyr	Asp	Thr	Leu	Thr	Ser	Tyr	Val	Leu	Pro	Arg	Val	Ile	Pro
1				5					10						15

&lt;210&gt; 2228

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2228

Pro	Phe	Tyr	Asp	Thr	Leu	Thr	Ser	Tyr	Val	Leu	Pro	Val	Trp	Val	Ser
1				5					10						15

&lt;210&gt; 2229

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2229

Pro	Phe	Tyr	Asp	Thr	Leu	Thr	Ser	Tyr	Val	Leu	Pro	Tyr	Leu	Thr	His
1				5					10						15

&lt;210&gt; 2230

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2230

Pro	Phe	Tyr	Asp	Thr	Leu	Thr	Ser	Tyr	Ala	Phe	Gln	Tyr	Phe	Asp	His
1				5					10						15

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<212> PRT  
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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2580

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&lt;210&gt; 2581

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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2581

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&lt;210&gt; 2582

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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2582

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&lt;210&gt; 2583

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2583

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&lt;210&gt; 2584

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&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2627

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&lt;210&gt; 2628

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2628

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&lt;210&gt; 2629

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2629

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&lt;210&gt; 2630

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2630

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&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2631

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&lt;210&gt; 2632

&lt;211&gt; 13

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&lt;213&gt; Homo sapiens

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Asp Val

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His Val Arg Asp Tyr Asp Ile Leu Thr Gly Tyr Tyr Arg Gly His His  
1 5 10 15

Phe Asp Tyr

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Asp His Tyr Asp Val Leu Thr Gly Ser Tyr Leu Gln Ala Phe Asp Val  
1 5 10 15

<210> 2729  
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<212> PRT  
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<400> 2729  
Gly Pro Arg Gly Gly Pro Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu  
1 5 10 15

Ser Leu Ser Asp Ala Phe Asp Ile  
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Val His Tyr Asp Ile Leu Thr Gly Tyr Leu Trp Ala Phe Asp Ile  
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<210> 2731  
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Gly Arg Tyr Asp Phe Leu Thr Gly Tyr Leu Arg Asn Phe Asp Tyr  
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1 5 10 15

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<212> PRT  
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Gly Ser Val Tyr Asp Ile Leu Thr Gly Thr Tyr Tyr Lys Ser Gly Met  
1 5 10 15

Gly Val

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<212> PRT  
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Phe Arg Tyr Asp Ile Leu Thr Ser Tyr Tyr Tyr Gly Met Asp Val  
1 5 10 15

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Asp Lys Ala His Gly Glu Tyr Gly Arg Asp Tyr Tyr Tyr Tyr Tyr Gly  
1 5 10 15

Met Asp Val

<210> 2736  
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<212> PRT  
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<400> 2736  
Glu Thr Arg Lys Tyr Thr Ser Ser Pro Pro Tyr Asn Tyr Tyr Tyr Met  
1 5 10 15

Asp Val

<210> 2737  
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<212> PRT  
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Glu Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr Asn Phe Phe Asp Tyr  
1 5 10 15

<210> 2738  
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&lt;400&gt; 2738

Gly Asp Tyr Asp Ile Leu Thr Gly Tyr Pro Leu His Ala Phe Asp Ile  
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&lt;210&gt; 2739

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2739

Asp Arg Ala Asp Ile Leu Thr Gly Tyr Asn Asp Ala Phe Asp Ile  
1 5 10 15

&lt;210&gt; 2740

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2740

Pro Ser Tyr His Tyr Met Asp Val  
1 5

&lt;210&gt; 2741

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2741

Asp Phe Tyr Asp Ile Leu Thr Gly Tyr Pro Leu Gly Gly Met Asp Val  
1 5 10 15

&lt;210&gt; 2742

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2742

Gly Asp Tyr Asp Val Leu Thr Gly Tyr Leu Arg Lys Leu Asp Tyr  
1 5 10 15

&lt;210&gt; 2743

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2743

Glu Glu Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Val His Tyr Tyr  
1 5 10 15

Gly Met Asp Val  
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<210> 2744  
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<400> 2744  
Gly Gly Tyr Tyr Asp Ile Leu Thr Gly Tyr Leu Val Tyr Tyr Gly Met  
1 5 10 15

Asp Val

<210> 2745  
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Asp Ser Tyr Asp Ile Leu Thr Gly Tyr Arg Gly Tyr Tyr Phe Asp Tyr  
1 5 10 15

<210> 2746  
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Ser His Tyr Asp Ile Leu Thr Gly Leu Asn Tyr Trp Tyr Phe Asp Tyr  
1 5 10 15

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Glu Gly Ala His Tyr Asp Ile Leu Thr Gly His Asn Tyr Tyr His Tyr  
1 5 10 15

Gly Met Asp Val  
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<210> 2748  
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Ala Thr Lys Ser Tyr Asp Ile Leu Thr Arg Met Tyr Tyr Tyr His Met  
1 5 10 15

Asp Val

<210> 2749  
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<400> 2749  
Gly Pro Gly Val Ile Gly Asn Tyr Asp Tyr  
1 5 10

<210> 2750  
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Thr Arg Met Asp Val Leu Thr Arg Tyr Tyr Ser Asp Phe  
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Glu Val Arg Asn Tyr Asp Leu Leu Thr Arg Ser Tyr Leu Ala Gly Pro  
1 5 10 15

Leu Asp Asn

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Glu Asn Gly Asp Tyr Asp Ile Leu Thr Gly Gln Thr Phe Tyr Gly Met  
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Asp Val

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<400> 2753  
Glu Gly Tyr Asp Ile Leu Thr Gly Tyr Phe Leu Asp Tyr Tyr His Gly  
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Met Asp Val

<210> 2754  
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Arg Phe Tyr Asp Leu Leu Thr Gly Tyr Ser Ala Phe Asp Ser  
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<210> 2757  
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1 5 10 15

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Asp Tyr

<210> 2759  
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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2759

Gly Ser Leu Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Gly Asn Ala  
1 5 10 15

Phe Asp Ile

&lt;210&gt; 2760

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2760

Asp His Tyr Asp Ile Leu Thr Gly Leu Tyr Tyr Tyr Gly Met Asp Val  
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&lt;210&gt; 2761

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2761

Asp Arg Gly Ser Tyr Asp Ile Leu Thr Gly Tyr Tyr Thr Pro Pro His  
1 5 10 15

Tyr Tyr Gly Met Asp Val  
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&lt;210&gt; 2762

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2762

Ala Asp Tyr Asp Ile Leu Thr Gly Tyr Ser Pro Leu Thr Tyr Gly Met  
1 5 10 15

Asp Val

&lt;210&gt; 2763

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2763

Glu Asp Ala Thr Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Met Gly Ser  
1 5 10 15

Tyr Gly Met Asp Val  
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<210> 2764  
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<400> 2764  
Gly Gly Tyr Asp Ile Leu Thr Gln Tyr Pro Ala Glu Phe Phe His Pro  
1 5 10 15

<210> 2765  
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Ala Arg Arg Val Gly Val Leu Gly Gly Lys Asn Ala Phe Glu Ile  
1 5 10 15

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Gly Ser Gly Tyr Asp Leu Leu Thr Gly Tyr Phe Thr Gly Ser Pro Leu  
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Asp Tyr

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Gln Lys Val Tyr Tyr Asp Ile Leu Thr Gly Tyr Asn Tyr Tyr Tyr Tyr  
1 5 10 15

Gly Met Asp Val  
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<210> 2768  
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Glu Gly Ala Ala Asp Tyr Leu Asn Gly Gln Tyr Phe Gln Asp  
1 5 10

<210> 2769  
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<400> 2769  
Asn Gly Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Trp Asp Tyr Tyr  
1 5 10 15

Tyr Gly Met Asp Val  
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His Arg Ser Arg Ser Cys Ser Ser Thr Ser Cys Arg Asn Asp Ala Phe  
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Asp Ile

<210> 2771  
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<210> 2772  
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<400> 2772  
Glu Asn Tyr Asp Phe Leu Thr Gly Tyr Tyr Gly Ala Phe Asp Ile  
1 5 10 15

<210> 2773  
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<400> 2773  
Ala Gly Ser Ser Leu Met Thr Tyr Gly Thr Asp Val  
1 5 10

<210> 2774  
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<212> PRT  
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<400> 2774  
Gly Thr Tyr Tyr Asp Ile Leu Thr Gly Tyr Phe His Tyr Gly Met Asp  
1 5 10 15

Val

<210> 2775  
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<212> PRT  
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<400> 2775  
Asp Gly Ile Tyr Asp Ile Leu Thr Thr Leu Val Ser Tyr Tyr Asn Gly  
1 5 10 15

Met Asp Val

<210> 2776  
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<212> PRT  
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<400> 2776  
Asp Lys Thr Leu Gly Asp Gln Leu Val Glu Ala Tyr Tyr Tyr Asp Gly  
1 5 10 15

Met Asp Val

<210> 2777  
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Asp Phe Gly Val Ile Gly Asp Tyr Arg Pro Phe Asp Tyr  
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<210> 2778  
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1 5 10 15

Asp Val

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Asp Gln Arg Lys Ala Gln Asp Ile  
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<400> 2780  
Ala Thr His Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe Asp Ile  
1 5 10 15

<210> 2781  
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<400> 2781  
Gly Asp Tyr Asp Ile Leu Thr Gly Tyr Tyr Met Asp Val  
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<210> 2782  
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Thr Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr Gln Gly Val Asp Tyr  
1 5 10 15

<210> 2783  
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<212> PRT  
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<400> 2783  
Ala Ala Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe Asp Ile  
1 5 10 15

<210> 2784  
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&lt;400&gt; 2784

Glu Arg His Tyr Tyr Asp Ile Leu Thr Gly Tyr Gln Thr Gly Tyr Gly  
1 5 10 15

Met Asp Val

&lt;210&gt; 2785

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2785

Arg Ser Met Ile Val Val Thr Thr Ala Pro Tyr Asp Ala Phe Asp Leu  
1 5 10 15

&lt;210&gt; 2786

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2786

Met Asn Tyr Asp Ile Leu Thr Gly Leu Val Asn Trp Phe Asp Pro  
1 5 10 15

&lt;210&gt; 2787

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2787

Gly Gly Glu Leu Val Trp Phe Gly Glu Ser Asp Tyr Tyr Gly Met Asp  
1 5 10 15

Val

&lt;210&gt; 2788

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2788

Thr Tyr Tyr Asp Ile Leu Thr Gly Tyr His Phe Asp Tyr  
1 5 10

&lt;210&gt; 2789

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2789

Gly Leu Arg His Val Thr Leu Phe Gly Thr Gly Thr Arg Gly His Phe  
 1 5 10 15

Tyr Met Asp Val  
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<210> 2790  
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 <212> PRT  
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<400> 2790  
 Gly Leu Tyr Phe Glu Asp Thr Asn Tyr Arg His Gly Asp Ala Phe Asp  
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Ile

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 Val Tyr Tyr Asp Ile Leu Thr Gly His Pro Thr Tyr Gly Met Asp Val  
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 Gly Asp Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Pro Leu Arg Asp Tyr  
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<210> 2793  
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 <212> PRT  
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<400> 2793  
 Gly Pro Trp Tyr Asp Pro Leu Phe Pro Pro Ser Gly Arg His Tyr Gly  
 1 5 10 15

Leu Asp Val

<210> 2794  
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&lt;400&gt; 2794

Asp Ile Asp Ala Arg Leu Ala Ala Leu Asp Ala Phe Asp Ile  
1 5 10

&lt;210&gt; 2795

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2795

Asp Val Ser Gly His Asp Ile Leu Thr Gly Tyr Ser Tyr Arg Tyr Phe  
1 5 10 15

Asp Val

&lt;210&gt; 2796

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2796

Gly Gly His Thr Cys Ile Ile Pro Thr Cys His Met Gly Gly  
1 5 10

&lt;210&gt; 2797

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2797

Ser Gly Glu Pro Cys Ile Thr Leu Ala Cys Asn Leu Gly Gly  
1 5 10

&lt;210&gt; 2798

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2798

Glu Arg Pro Tyr Tyr Asp Ile Leu Thr Gly Tyr Thr Val Thr Tyr Gly  
1 5 10 15

Met Asp Val

&lt;210&gt; 2799

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2799



Leu Asp Tyr Asp Ile Leu Thr Gly Tyr Tyr Pro Ser Gly Phe Asp Tyr  
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<213> Homo sapiens

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Gly Thr Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Met Gly Ser Ala Phe  
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Asp Gln

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<212> PRT

<213> Homo sapiens

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Gly Pro Arg Tyr Tyr Asp Ile Leu Thr Gly Tyr Arg Tyr Asn Trp Phe  
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Asp Pro

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Glu Arg Ala Asp Tyr Asp Ile Leu Thr Gly Tyr Tyr Phe Tyr Gly Met  
1 5 10 15

Asp Val

<210> 2803

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Asp Asp Tyr Asp Ile Leu Thr Gly Ser Leu Tyr Tyr Phe Asp Ser  
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<210> 2804

<211> 10

<212> PRT

<213> Homo sapiens

&lt;400&gt; 2804

Asp Thr Val Arg Ser Gly Gly Met Asp Val  
1 5 10

&lt;210&gt; 2805

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2805

Val Gly Leu Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Pro Ser Gly Met  
1 5 10 15

Asp Val

&lt;210&gt; 2806

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2806

Pro Tyr Tyr Asp Pro Leu Thr Ala Tyr Thr Phe Gln Tyr Phe Gly Asn  
1 5 10 15

&lt;210&gt; 2807

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2807

Gly Arg Glu Asp Thr Asp Lys Val Lys Leu Trp Asp Arg Tyr Tyr His  
1 5 10 15

Tyr Tyr Tyr Met Asp Val  
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&lt;210&gt; 2808

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2808

Lys Gln Arg Gly Asp Tyr Asp Ile Leu Thr Gly Tyr Gln Leu Gly Tyr  
1 5 10 15

Ala Phe Asp Ile  
20

&lt;210&gt; 2809

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2809

Gly Arg Glu Asp Thr Asp Lys Val Lys Pro Trp Asp Arg Tyr Tyr His  
1 5 10 15

Tyr Tyr Tyr Met Asp Val  
20

&lt;210&gt; 2810

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2810

Ile Arg Leu Tyr Cys Tyr Ser Leu Thr Gly Tyr Tyr Pro Tyr Gly Met  
1 5 10 15

Asp Asp

&lt;210&gt; 2811

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2811

Gly Arg Arg Tyr Asp Ile Leu Thr Gly Tyr Tyr Tyr Tyr His His Gly  
1 5 10 15

Met Asp Val

&lt;210&gt; 2812

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2812

Ser Asp Tyr Asp Ile Leu Thr Gly Tyr Tyr Trp Val Pro Ala Val  
1 5 10 15

&lt;210&gt; 2813

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2813

Gly Arg Lys Asp Thr Asp Lys Val Lys Pro Trp Asp Arg Tyr Tyr His  
1 5 10 15

Tyr Tyr Tyr Met Asp Val  
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<210> 2814  
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Thr Asp Arg Phe Gly Ala Lys Asp Val Thr Ser Arg Trp Gly Met Asp  
1 5 10 15

Val

<210> 2815  
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<400> 2815  
Glu Gly Ala Ala Asp Tyr Leu Asn Gly Gln Tyr Phe Gln His  
1 5 10

<210> 2816  
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Ser Ser Pro Pro Lys Trp Tyr Asp Ala Leu Thr Gly Asp Ser Ser Tyr  
1 5 10 15

His Ser Ala Met Gly Val  
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Val Ser Arg Asp Ile Leu Thr Gly Asn Tyr Tyr Tyr Tyr Gly Met Asp  
1 5 10 15

Val

<210> 2818  
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<212> PRT  
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&lt;400&gt; 2818

Ser Ser Pro Pro Lys Trp Tyr Asp Ala Leu Thr Gly Asp Ser Ser Tyr  
1 5 10 15

Arg Ser Ala Met Asp Val  
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&lt;210&gt; 2819

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2819

Val Asn Ala Asp Tyr Asp Ile Leu Thr Gly Tyr Pro Arg Asp Tyr Tyr  
1 5 10 15

Gly Met Asp Val  
20

&lt;210&gt; 2820

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2820

Val Arg Pro Lys Leu Arg Tyr Phe Asp Trp Leu Ser Arg His Asp Ala  
1 5 10 15

Phe Asp Leu

&lt;210&gt; 2821

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2821

Gly Tyr Asp Asp Ile Leu Thr Gly Tyr Ile Met Ala Leu Asp Tyr  
1 5 10 15

&lt;210&gt; 2822

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2822

Glu Ser Thr Tyr Asp Ile Leu Thr Gly Ser Tyr His Asp Tyr Gly Leu  
1 5 10 15

Asp Val

<210> 2823  
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<400> 2823  
Asp Met Lys Val Tyr Tyr Lys Tyr Ala Leu Asp Val  
1 5 10

<210> 2824  
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<212> PRT  
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Gly Gly Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Gly Ala Phe Asp  
1 5 10 15

Ile

<210> 2825  
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Ala Gly Ser Ser Leu Val Thr Tyr Gly Thr Asp Val  
1 5 10

<210> 2826  
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Asp Pro Phe Gly Ala Val Pro Gly Tyr Tyr Tyr Tyr Ala Met Asp Val  
1 5 10 15

<210> 2827  
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Val Pro Tyr Asp Ile Leu Thr Gly Tyr Trp Gly Ala Phe Asp Val  
1 5 10 15

<210> 2828  
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<212> PRT  
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&lt;400&gt; 2828

Asp Gln Gln Tyr Asp Ile Leu Thr Gly Tyr His Ile Asp Tyr Tyr Met  
1 5 10 15

Asp Val

&lt;210&gt; 2829

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2829

Asp Tyr Tyr Asp Val Leu Thr Gly Phe Ser Leu Asp Gly Met Asp Val  
1 5 10 15

&lt;210&gt; 2830

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2830

Gly Arg Asn Tyr Tyr Asp Phe Leu Thr Gly Tyr Asn Phe Asn Leu Gly  
1 5 10 15

Leu Asp Tyr

&lt;210&gt; 2831

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2831

Met Gly His Tyr Asp Ile Leu Thr Gly Tyr Arg His Tyr Gly Met Asp  
1 5 10 15

Val

&lt;210&gt; 2832

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2832

Val Leu Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Met Asp Val  
1 5 10 15

&lt;210&gt; 2833

&lt;211&gt; 18

<212> PRT  
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<400> 2833  
Glu Arg Ala Asp Tyr Asp Ile Leu Thr Gly Tyr Tyr Phe Tyr Asp Met  
1 5 10 15

Asp Val

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<212> PRT  
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<400> 2834  
Glu Gln Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Pro Glu Gly Gly Trp  
1 5 10 15

Phe Asp Pro

<210> 2835  
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<400> 2835  
Gly Arg Glu Asp Thr Asp Lys Val Lys Pro Trp Asp Arg Tyr Phe His  
1 5 10 15

Tyr Tyr Tyr Met Asp Val  
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<210> 2836  
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<212> PRT  
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<400> 2836  
Glu Ser Gly Gly Tyr Ser Tyr Gly Ser Arg Asp Tyr Tyr Gly Met Asp  
1 5 10 15

Val

<210> 2837  
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<212> PRT  
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<400> 2837



Asp Arg Gly Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Arg Gly His Gly  
1 5 10 15

Met Asp Val

<210> 2838  
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<400> 2838  
Glu Leu Gly His Arg Glu Gly Gly Tyr Trp Tyr Ser Pro Tyr Asn Val  
1 5 10 15

<210> 2839  
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Gln Gln Trp Leu Pro Tyr Asp Ala Phe Asp Ile  
1 5 10

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<400> 2840  
Ser Asn Pro Pro Lys Trp Tyr Asp Ala Leu Thr Gly His Ser Ser Tyr  
1 5 10 15

His Ser Ala Met Asp Val  
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<210> 2841  
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<400> 2841  
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1 5 10 15

<210> 2842  
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Ser Gln Arg Leu Phe Ile Asp Ser  
1 5

<210> 2843  
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<400> 2843  
Asp Pro Ser Pro Tyr Tyr Asp Ile Leu Thr Gly Tyr Phe Leu Pro Tyr  
1 5 10 15

Tyr Met Asp Val  
20

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<400> 2844  
Gly His Tyr Asp Ile Leu Thr Gly Tyr Asp Asp Tyr Tyr Tyr Gly Met  
1 5 10 15

Asp Val

<210> 2845  
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<212> PRT  
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<400> 2845  
Asp Gln Asn His Pro Ile Tyr Asp Ile Leu Thr Gly Tyr Tyr Val Pro  
1 5 10 15

Thr Gly Pro Leu Glu Leu Lys Asn  
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<210> 2846  
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<400> 2846  
Gly Ile Gly Tyr Asp Leu Leu Thr Gly Tyr Phe Thr Gly Ser Pro Leu  
1 5 10 15

Asp Tyr

<210> 2847  
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<212> PRT  
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<400> 2847  
Asp Ser Gly Gly Asp Ile Leu Thr Gly Tyr Tyr Met Pro Tyr Phe Asp  
1 5 10 15

Tyr

<210> 2848  
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<212> PRT  
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<400> 2848  
Ser Gly Pro Pro Lys Trp Tyr Asp Ala Leu Thr Gly His Ser Ser Tyr  
1 5 10 15

His Ser Ala Met Asp Val  
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<210> 2849  
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<212> PRT  
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<400> 2849  
Val Ser Pro Ser Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Pro His Ala  
1 5 10 15

Phe Asp Val

<210> 2850  
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<212> PRT  
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<400> 2850  
Pro Ser Tyr Asp Ile Leu Thr Gly Tyr Leu Tyr Tyr Phe Asp Tyr  
1 5 10 15

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Gly Tyr Glu Tyr Tyr Asp Ile Leu Thr Gly Tyr Asn Glu Leu Gly Ala  
1 5 10 15

Phe Asp Ile

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Glu Leu Gly Ser Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp Met  
1 5 10 15

<210> 2853  
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<400> 2853  
Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr His Thr Pro Leu Asp Tyr  
1 5 10 15

<210> 2854  
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<400> 2854  
Gly Asp Tyr Asp Ile Leu Thr Gly Tyr Pro Ala Glu Cys Phe Gln Ile  
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<210> 2855  
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<400> 2855  
Ala Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Lys Gly Ala Phe Asp  
1 5 10 15

Ile

<210> 2856  
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<400> 2856  
Thr Lys Tyr Asp Ile Leu Thr Gly Tyr Tyr Tyr Tyr Met Asp Val  
1 5 10 15

<210> 2857  
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<212> PRT  
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<400> 2857  
Gly Gln Tyr Tyr Asp Ile Leu Thr Gly Tyr Asn Trp Phe Asp Pro  
1 5 10 15

<210> 2858  
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<212> PRT  
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Gly Arg Tyr Tyr Asp Met Leu Thr Arg Gly Gly Tyr Phe Asp Tyr  
1 5 10 15

<210> 2859  
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<400> 2859  
Gly Asp Tyr Asp Ile Leu Thr Gly Thr Tyr Tyr Tyr Ile Asp Val  
1 5 10 15

<210> 2860  
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<400> 2860  
Gly Ala Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Pro Tyr Gly Met Asp  
1 5 10 15

Val

<210> 2861  
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<212> PRT  
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<400> 2861  
Asp Phe Gly Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Gly Ala Phe  
1 5 10 15

Tyr Ala Phe Asp Ile  
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<210> 2862  
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&lt;400&gt; 2862

Glu Met Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Asn Tyr Met Asp  
1 5 10 15

Val

&lt;210&gt; 2863

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2863

Thr His Tyr Asp Ile Leu Thr Gly Tyr Tyr Ser His Pro Leu Asp Tyr  
1 5 10 15

&lt;210&gt; 2864

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2864

Ser Gln Trp Leu Glu His Asp Val Phe Asp Ile  
1 5 10

&lt;210&gt; 2865

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2865

Gly Gly Gly Tyr Asp Ile Leu Thr Gly Tyr Ser Tyr Pro Tyr Leu Tyr  
1 5 10 15

Tyr Gly Leu Asp Val  
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&lt;210&gt; 2866

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2866

Thr Tyr Tyr Asp Ile Leu Thr Gly Arg Phe Phe Asp Ile  
1 5 10

&lt;210&gt; 2867

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2867

Asp Val Asp Asp Ile Leu Thr Gly Tyr Ser Trp Asp Tyr  
1 5 10

<210> 2868  
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<400> 2868  
Asp Asp Arg Asp Ile Leu Thr Asn Tyr Tyr Leu Glu Tyr Phe Gln His  
1 5 10 15

<210> 2869  
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Val Lys Arg Asp Ile Leu Thr Gly Tyr Val Glu Gly Met Asp Val  
1 5 10 15

<210> 2870  
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<400> 2870  
Ser Gly Pro Gly Trp Phe Asp Pro  
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Ala Lys Gly Tyr Tyr Tyr Asp Ser Ser Gly Ala Ser Asp Val Phe Asp  
1 5 10 15

Val

<210> 2872  
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<212> PRT  
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<400> 2872  
Gly Ile Tyr Asp Ile Leu Thr Gly Tyr His Trp Asp Asp Ala Phe Asp  
1 5 10 15

Ile

&lt;210&gt; 2873

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2873

Ala Tyr Tyr Asp Ile Leu Thr Gly Tyr Phe Phe Asp Ile  
1 5 10

&lt;210&gt; 2874

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2874

Thr Glu Arg Phe Gly Ala Lys Asp Val Thr Ala Arg Trp Gly Met Asp  
1 5 10 15

Val

&lt;210&gt; 2875

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2875

Ser Gln Ala His Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Trp Ser Tyr  
1 5 10 15

Gly Met Asp Val  
20

&lt;210&gt; 2876

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2876

Asp Arg Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Tyr Tyr Gly Met Asp  
1 5 10 15

Val

&lt;210&gt; 2877

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2877



Ala Gly Gly Tyr Tyr Asp Ile Leu Thr Gly Arg Asp Tyr Tyr Gly  
1 5 10 15

Met Asp Val

<210> 2878

<211> 17

<212> PRT

<213> Homo sapiens

<400> 2878

Asp Arg Arg Arg Asp Asp Leu Thr Gly Tyr Leu Tyr Asp Ala Phe Asp  
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Ser

<210> 2879

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Met Tyr Tyr Asp Ile Leu Thr Gly His Asn Phe Asp Tyr  
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<210> 2880

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Asp Met Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Thr Gly Leu Ala Phe  
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Asp Met

<210> 2881

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Gly Arg Gly Tyr Asp Val Leu Thr Gly Tyr Phe Thr Gly Ser Pro Leu  
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Asp Tyr

&lt;210&gt; 2882

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2882

Leu Tyr Tyr Asp Ile Leu Thr Gly Tyr His Trp Asp Ala Phe Asp Ile  
1 5 10 15

&lt;210&gt; 2883

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2883

Asp Glu Tyr Asp Ile Leu Thr Gly Leu Leu Gln Gly Met Asp Val  
1 5 10 15

&lt;210&gt; 2884

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2884

Gly Gly Ser Ser Gln Asn Phe Tyr Gly Met Asp Val  
1 5 10

&lt;210&gt; 2885

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2885

Asp Arg Leu His Tyr Asp Ile Leu Thr Gly His Gln Thr Asp Asp Ala  
1 5 10 15

Phe Asp Ile

&lt;210&gt; 2886

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2886

Gly His Tyr Asp Ile Leu Thr Gly Tyr Tyr Phe Gly Phe Asp Tyr  
1 5 10 15

&lt;210&gt; 2887

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2887

Asp Arg Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Pro Gly Leu Asp  
1 5 10 15

Asp Ala Phe Asp Ile  
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<210> 2888

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<212> PRT

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<400> 2888

Asp Ala Ser Glu Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Ala Thr  
1 5 10 15

Gly Arg Asn Trp Phe Asp Pro  
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<210> 2889

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Asp Lys Gln Tyr Tyr Asp Ile Leu Thr Gly Asp Pro Val Glu Gly Gly  
1 5 10 15

Met Asp Val

<210> 2890

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Asp Leu Arg Tyr Asp Ile Leu Thr Gly Tyr His Asp Ala Phe Asp Ile  
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Glu Ser Tyr Asp Ile Leu Thr Gly Tyr Arg His Tyr Gly Met Asp Leu  
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Gly Ile Tyr Asp Ile Leu Thr Gly Tyr His Trp Asp Gly Ala Phe Asp  
1 5 10 15

Ile

&lt;210&gt; 2893

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2893

Glu Gly Arg Asp Ile Leu Thr Gly Val Tyr Tyr Tyr Gly Leu Asp Val  
1 5 10 15

&lt;210&gt; 2894

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2894

Asp Gln His Asp Ile Leu Thr Gly Gly Tyr Tyr Gly Met Asp Val  
1 5 10 15

&lt;210&gt; 2895

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2895

Ala Tyr Asp Tyr Asp Ile Leu Thr Gly Tyr Ser Tyr Tyr Phe Asp Tyr  
1 5 10 15

&lt;210&gt; 2896

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2896

Glu Gly Gly Asn Tyr His Ile Leu Thr Gly Tyr Tyr Ile Gly Asn Gly  
1 5 10 15

Ala Phe Asp Ile

20

&lt;210&gt; 2897

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2897

Gly Thr Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Met Gly Ser Val Phe  
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Asp Pro

<210> 2898  
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<400> 2898  
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<210> 2899  
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Met Asp Val

<210> 2900  
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 1 5 10 15

Gly Met Asp Val  
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<210> 2901  
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<400> 2901  
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 1 5 10 15

Gly Ser Phe Asp Ile  
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<210> 2902  
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<400> 2902  
Gly Arg Arg Tyr Asp Ile Leu Thr Gly Tyr Tyr Lys Gly Pro Leu Asp  
1 5 10 15

Tyr

<210> 2903  
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<400> 2903  
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1 5 10 15

Ala Phe Asp Ile  
20

<210> 2904  
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<400> 2904  
His Asp Ile Leu Thr Gly Phe Asp Tyr  
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<400> 2905  
Glu Ile Asp Asp Ile Leu Thr Gly Tyr Tyr Met Asp Val  
1 5 10

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Glu Gly Tyr Asp Ile Leu Thr Gly Tyr Ser Lys Phe Leu Asp Tyr  
1 5 10 15

<210> 2907  
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<400> 2907  
Glu His Tyr Asp Ile Leu Thr Gly Tyr Ser Leu Leu Gly Met Asp Val  
1 5 10 15

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<400> 2908  
Gly Asp Tyr Asp Ile Leu Thr Gly Tyr Tyr Ser His Phe Asp Tyr  
1 5 10 15

<210> 2909  
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1 5 10 15

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Phe Asp Ile

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Tyr Tyr Gly Met Asp Val  
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Gly Val Asp Val  
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Met Asp Val

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<400> 2916  
Gly Gln Lys Asn Tyr Tyr Glu Ser Ser Gly Tyr Leu Glu His  
1 5 10

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<400> 2917



Asp Met His Tyr Asp Ile Leu Thr Gly Tyr Tyr Thr Gly Leu Ala Phe  
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Asp Met

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 Arg Arg Tyr Ala Leu Asp Tyr  
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<210> 2921  
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<400> 2921  
 Asp Gln His Asp Ile Leu Thr Gly Val Tyr Tyr Gly Met Asp Val  
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<210> 2922  
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 Asp Pro Gly Tyr Tyr Asp Ile Leu Thr Gly Tyr Phe His Arg Tyr Gly  
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Met Asp Val

<210> 2923  
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<400> 2923  
Asp Leu Pro Tyr Tyr Asp Ile Leu Thr Gly Tyr Ser Leu Thr Ser Gly  
1 5 10 15

Met Asp Val

<210> 2924  
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<212> PRT  
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<400> 2924  
Asp Ile Asp Asp Ile Leu Thr Gly Tyr Val Leu Gly Met Asp Val  
1 5 10 15

<210> 2925  
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<212> PRT  
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Pro Gln Gly Val Thr Leu Val Arg Gly Ala Glu Thr Asp Ala Phe Ala  
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Ile

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Tyr Tyr Tyr Tyr Gly Met Asp Val  
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<400> 2927

Gly Tyr Tyr Asp Ile Leu Thr Gly Tyr Gln Ser Asp Ala Phe Asp Ile  
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Asp Arg Arg Asp Tyr Asp Leu Leu Thr Arg Tyr Tyr Tyr Tyr Tyr Gly  
1 5 10 15

Met Asp Val

<210> 2929  
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<400> 2929  
Pro Leu Gly Ile Thr Ala Val Arg Gly Ala Lys Thr Asp Ala Phe Gly  
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Ile

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1 5 10 15

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Asp Phe

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Thr Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Ala Glu Tyr Phe Gln His  
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&lt;210&gt; 2933

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2933

Arg Asp Ile Leu Thr Gly Phe Tyr Asp Ser  
1 5 10

&lt;210&gt; 2934

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2934

Ser Gly Tyr Asp Ile Leu Thr Gly Tyr Leu Tyr Gly Met Asp Val  
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&lt;210&gt; 2935

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2935

Asp Pro Gly Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr Tyr Tyr Tyr Gly  
1 5 10 15

Met Asp Val

&lt;210&gt; 2936

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2936

Glu Gly Thr Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Pro Leu Gly Tyr  
1 5 10 15

Phe Asp Tyr

&lt;210&gt; 2937

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2937

Gly Val Val Trp Val Ala Tyr Gly Asp Val Gly Ile Tyr Gly Phe Asp  
 1 5 10 15

Val

<210> 2938  
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 <212> PRT  
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<400> 2938  
 Asp Gly Tyr Tyr Asp Ile Leu Thr Gly Tyr Ser Val Tyr Tyr Gly Met  
 1 5 10 15

Asp Val

<210> 2939  
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<400> 2939  
 Val Leu Thr Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr Arg Glu Asp Ala  
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Phe Asp Met

<210> 2940  
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 <212> PRT  
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<400> 2940  
 Thr Glu Ser Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr Trp Pro Ser Met  
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Asp Val

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<400> 2941  
 Gly Asp Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Gly Val Asp Val  
 1 5 10 15

<210> 2942  
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<212> PRT  
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<400> 2942  
Asp Asn Tyr Asp Ile Leu Thr Gly Tyr Ser Arg Arg Phe Asp Pro  
1 5 10 15

<210> 2943  
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<400> 2943  
Gly Gln Phe Gly Val Leu Pro Asn Tyr Tyr Tyr His Met Asp Val  
1 5 10 15

<210> 2944  
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Leu Gly Arg Thr Ser Arg Asp Leu Leu Thr Gly Tyr His Phe Tyr Asn  
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Met Asp Val

<210> 2945  
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<400> 2945  
Asp Arg Glu Thr Lys Val Gly Tyr Gly Met Asp Val  
1 5 10

<210> 2946  
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<400> 2946  
Asp Met Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Ala Phe Asp Ile  
1 5 10 15

<210> 2947  
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<400> 2947

Ala Tyr Tyr Asp Asn Leu Thr Gly Phe Leu Pro Tyr Gly Met Gly Val  
1 5 10 15

<210> 2948  
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Gly Glu Arg Asp Ile Leu Thr Gly Tyr Tyr Leu Asp Gly Met Asp Val  
1 5 10 15

<210> 2949  
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<400> 2949  
Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Tyr Phe Asp Gly Phe Asp Ile  
1 5 10 15

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Gly Tyr Asp Thr Ala Met Gln Tyr  
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<210> 2953  
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<212> PRT  
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<400> 2953

Leu Lys Ala Pro Tyr Tyr Asp Leu Leu Thr Gly Tyr His Leu Pro Lys  
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Trp Phe Asp Thr  
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 Asp Ile Asp Ile Gly Gly Asp Asp Ser  
 1 5

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 <212> PRT  
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 Val Ser Asn Asp Ile Leu Thr Gly Trp Gly Gly Tyr Asn Trp Phe Asp  
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Pro

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 <212> PRT  
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<400> 2956  
 Glu Arg Ser Gln Phe Asp Phe Leu Thr Gly Val Asp Arg Tyr His Pro  
 1 5 10 15

Met Asp Val

<210> 2957  
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 <212> PRT  
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<400> 2957  
 Ser Ser Asn Pro Val Tyr Gly Leu Asp Val  
 1 5 10

<210> 2958  
 <211> 15  
 <212> PRT  
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&lt;400&gt; 2958

Arg Gln Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Phe Asp Tyr  
1 5 10 15

&lt;210&gt; 2959

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2959

Gly Leu Gly His Thr Asp Ser Asp Ser  
1 5

&lt;210&gt; 2960

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2960

Asp Arg Glu Tyr Asp Leu Leu Thr Gly Tyr Tyr Leu His Ala Phe Asp  
1 5 10 15

Met

&lt;210&gt; 2961

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2961

Ala Gly Ser Gly Phe His Asp Ile Leu Thr Gly Tyr Tyr Lys Gly Gly  
1 5 10 15Tyr Phe Asp Tyr  
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&lt;210&gt; 2962

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2962

Gly Gly Pro His Tyr Asp Ile Leu Thr Gly Tyr Tyr Met Ala Val Gly  
1 5 10 15

Phe Asp Ile

&lt;210&gt; 2963

&lt;211&gt; 21

<212> PRT  
<213> Homo sapiens

<400> 2963  
Asp Leu Gly Ser Phe Tyr Asp Ile Leu Thr Ala Leu Arg Leu Glu Asn  
1 5 10 15

Tyr Gly Met Asp Val  
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<210> 2964  
<211> 18  
<212> PRT  
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<400> 2964  
Asp Gln Gln Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile His Tyr Gly Met  
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Asp Val

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<400> 2965  
Asn Leu Phe Asp Val Trp Thr Leu Pro Tyr Tyr Tyr Tyr Met Asp Val  
1 5 10 15

<210> 2966  
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<212> PRT  
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<400> 2966  
Ala Tyr Tyr Asp Ile Leu Thr Gly Leu Asp Tyr  
1 5 10

<210> 2967  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 2967  
Gly Gly Tyr Ser Ser Gly Trp Leu Arg Gly Gly Pro Tyr Asn Trp Phe  
1 5 10 15

Asp Pro

<210> 2968  
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<212> PRT  
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<400> 2968  
Ala Pro Tyr Asp Ile Leu Thr Gly Tyr Ser Asp Tyr Tyr Gly Met Asp  
1 5 10 15

Val

<210> 2969  
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<212> PRT  
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<400> 2969  
Asp Arg Gly Ala Ser Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr Ala Pro  
1 5 10 15

Ala Gln Gly Val Ala Phe Asp Ile  
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<210> 2970  
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<213> Homo sapiens

<400> 2970  
Ala Val Leu Arg Tyr Ser Ala Gly Leu Gln Gly Ala Phe Asp Ile  
1 5 10 15

<210> 2971  
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<212> PRT  
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<400> 2971  
Glu Asn Tyr Asp Ser Leu Thr Gly Tyr Tyr Asn Tyr Phe Asp Tyr  
1 5 10 15

<210> 2972  
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<400> 2972  
Gly Arg Glu Asp Thr Asp Lys Val Lys Pro Trp Asp Arg Tyr Tyr His  
1 5 10 15

Tyr Tyr Met Asp Val  
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<210> 2973  
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<212> PRT  
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<400> 2973  
Glu Tyr Tyr Asp Ile Leu Thr Gly Tyr Arg Asp Pro Tyr Gly Met Asp  
1 5 10 15

Val

<210> 2974  
<211> 19  
<212> PRT  
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<400> 2974  
Glu Glu Gly Phe Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Pro Gly Tyr  
1 5 10 15

Phe Asp Tyr

<210> 2975  
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<212> PRT  
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<400> 2975  
Asp Tyr Tyr Asp Ile Leu Thr Lys Leu Pro Tyr Gly Met Asp Val  
1 5 10 15

<210> 2976  
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<212> PRT  
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<400> 2976  
Asp Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Phe Gly Met Asp Val  
1 5 10 15

<210> 2977  
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<212> PRT  
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<400> 2977  
Ala Thr Gln Asp Ile Leu Thr Gly Tyr Leu Tyr Ser Gly Met Asp Val  
1 5 10 15

<210> 2978  
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<212> PRT  
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<400> 2978  
Asp Ser Asp Ala Arg Leu Ala Ala Leu Asp Ala Phe Asp Ile  
1 5 10

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<400> 2979  
Thr Asp Arg Phe Gly Ala Lys Asp Val Thr Ala Arg Trp Gly Met Asp  
1 5 10 15

Val

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Glu Leu Gly Leu Ser Ile Val Val Ala Thr Thr Gly Ala Leu Asp Met  
1 5 10 15

<210> 2981  
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<400> 2981  
Glu Gly Ser Ser Gly Tyr Leu Val Gly  
1 5

<210> 2982  
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<400> 2982  
Asp Trp Gly His Trp Phe Asp Pro  
1 5

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<400> 2983

Phe Arg Tyr Asp Ile Leu Thr Gly Tyr Tyr Tyr Asp Met Asp Val  
1 5 10 15

<210> 2984  
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<212> PRT  
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<400> 2984  
Glu Tyr Tyr Asp Ile Leu Thr Gly Tyr Ser Gly Ala Phe Asp Ile  
1 5 10 15

<210> 2985  
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<400> 2985  
Glu Arg Gly Val Val Thr Ala Tyr Gly Gly Asp Ser Phe Asp Leu  
1 5 10 15

<210> 2986  
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<212> PRT  
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<400> 2986  
Asp Ala Gly Glu Ser Tyr Asp Ile Leu Thr Gly Tyr Tyr Val Ile Glu  
1 5 10 15

Gly Tyr Met Asp Val  
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<400> 2987  
Asp Gly Gly Gly Tyr Asp Ile Leu Thr Gly Tyr Gln Tyr Tyr Tyr Gly  
1 5 10 15

Met Asp Val

<210> 2988  
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<212> PRT  
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<400> 2988  
Asp Thr Leu Gly Tyr Asp Ile Leu Thr Gly Tyr Pro Pro Pro Tyr Tyr  
1 5 10 15

Tyr Tyr Asp Met Asp Val  
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<210> 2989  
<211> 17  
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<400> 2989  
Ser Tyr Tyr Asp Ile Leu Thr Gly Arg Pro Tyr Thr Asp Ala Phe Asp  
1 5 10 15

Ile

<210> 2990  
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<212> PRT  
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<400> 2990  
Gly Gly Val Thr Ala Gly Arg Ser Val Tyr Phe Asp Ser  
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<210> 2991  
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Glu Ser Glu Gly Gly Asp Tyr Thr Asn Pro Phe Gly Tyr  
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Gly Pro Tyr Asp Val Leu Thr Gly Tyr Leu Ser Gly Asn Phe Asp Tyr  
1 5 10 15

<210> 2993  
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<212> PRT  
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Glu Cys Ser Gly Ser Ser Cys Pro Ala Arg Gln Pro Pro Tyr Tyr Gln  
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Tyr Tyr Met Asp Val  
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<210> 2994  
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<400> 2994  
Glu Ser His Tyr Asp Ile Leu Thr Gly Tyr Tyr Ser Asn Pro Ser Phe  
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Asp Ile

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<212> PRT  
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<400> 2995  
Glu Asn Tyr Asp Tyr Leu Thr Gly Tyr Tyr Gly Ala Phe Asp Ile  
1 5 10 15

<210> 2996  
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<212> PRT  
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<400> 2996  
Asp Tyr Arg Asn Tyr Asp Ile Leu Thr Gly His Pro Tyr Tyr Tyr Gly  
1 5 10 15

Met Asp Val

<210> 2997  
<211> 17  
<212> PRT  
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<400> 2997  
Val Gly Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Arg Gly Met Asp  
1 5 10 15

Val

<210> 2998  
<211> 16  
<212> PRT  
<213> Homo sapiens



&lt;400&gt; 2998

Gly Pro Tyr Asp Ile Leu Thr Gly Tyr Tyr Arg Asp Ala Phe Asp Ile  
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&lt;210&gt; 2999

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2999

Asp Leu Trp Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Asp Asp Ala  
1 5 10 15

Phe Asp Ile

&lt;210&gt; 3000

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3000

Val Leu Pro His Tyr Asp Ile Leu Thr Gly Tyr Ser Gln Asn Trp Phe  
1 5 10 15

Asp Pro

&lt;210&gt; 3001

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3001

Gln Gly Gly Gln Tyr Asp Ser Pro Pro Phe Asp Val  
1 5 10

&lt;210&gt; 3002

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3002

Gln Gly Gly Gln Tyr Asp Ser Pro Pro Leu Asp Val  
1 5 10

&lt;210&gt; 3003

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3003

Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Leu Asp Gly Phe Asp Ile  
1 5 10 15

<210> 3004

<211> 16

<212> PRT

<213> Homo sapiens

<400> 3004

Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Pro Phe Gly Met Asp Val  
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<210> 3005

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<212> PRT

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<400> 3005

Gly Pro Ser Ser Ala Gly Thr Thr Ile Gly Leu Gly Ser Phe Asp Pro  
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<210> 3006

<211> 16

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<400> 3006

Gly Tyr His Asp Thr Leu Thr Ser Tyr Asn Tyr Asn Trp Phe Asp Pro  
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<211> 11

<212> PRT

<213> Homo sapiens

<400> 3007

Glu Gly Ser Trp Ser Gly Leu Asp Leu Asp Tyr  
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<210> 3008

<211> 9

<212> PRT

<213> Homo sapiens

<400> 3008

Gly Met Gly Asp His Tyr Met Asp Val  
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<210> 3009

<211> 20

<212> PRT

<213> Homo sapiens

<400> 3009

Gly Arg Arg Tyr Tyr Asp Ile Leu Thr Gly Tyr Ser Leu Gly Arg Gly  
1 5 10 15

Glu Met Asp Val  
20

<210> 3010  
<211> 21  
<212> PRT  
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<400> 3010  
Val Pro Tyr Tyr Tyr Asp Thr Ser Gly Gly Tyr Leu Gly Glu Tyr Tyr  
1 5 10 15

Tyr Gly Met Asp Val  
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<210> 3011  
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<212> PRT  
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<400> 3011  
Ser Pro Glu Gly Asp Tyr Gln Pro Leu Ser Ser Asn Tyr Asn Trp Leu  
1 5 10 15

Asp Pro

<210> 3012  
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<212> PRT  
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<400> 3012  
Glu Ser Gly Arg Tyr Asp Ile Leu Thr Gly Tyr Tyr Ser Gly Gly Gly  
1 5 10 15

Gly Met Asp Val  
20

<210> 3013  
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Asp Tyr Pro Ile Asp Val Leu Thr Gly Arg Arg Thr Lys Asn Trp Phe  
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Asp Pro

<210> 3014  
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<400> 3014  
Gly Pro Ser Thr Thr Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Thr Pro  
1 5 10 15

Tyr Tyr Tyr Tyr Tyr Tyr Met Asp Val  
20 25

<210> 3015  
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<212> PRT  
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<400> 3015  
Ser Gly Ser Ser Leu Met Thr Tyr Gly Thr Asp Val  
1 5 10

<210> 3016  
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<400> 3016  
Ala Gly Ser Ser Leu Met Ala Tyr Gly Thr Asp Val  
1 5 10

<210> 3017  
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<212> PRT  
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<400> 3017  
Trp Ala Thr Tyr Tyr Asp Thr Leu Thr Gly Tyr Arg Leu Lys Asp His  
1 5 10 15

Ala Gly Phe Asp Ile  
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<210> 3018  
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<212> PRT  
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<400> 3018  
Arg Tyr Ser Asp Ala Leu Thr Gly Tyr Ser Leu Gly Ala Phe Asp Val  
1 5 10 15

<210> 3019  
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<212> PRT  
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<400> 3019  
Thr His Tyr Asp Ile Leu Thr Gly Tyr Tyr Thr Ala Asp Ala Phe Asp  
1 5 10 15

Ile

<210> 3020  
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<212> PRT  
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Gly Ser Arg Val Arg Gly Val Thr Pro Asp Leu  
1 5 10

<210> 3021  
<211> 21  
<212> PRT  
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Glu Arg Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr Ser Pro Arg Ser Lys  
1 5 10 15

Tyr Gly Met Asp Val  
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<210> 3022  
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Tyr

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Val

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Tyr

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Tyr

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Phe Asp Ser

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Met Asp Val

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&lt;212&gt; PRT

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Asp Val

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&lt;211&gt; 15

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&lt;400&gt; 3051

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&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3052

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Met Asp Val

&lt;210&gt; 3053

&lt;211&gt; 20

&lt;212&gt; PRT

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&lt;400&gt; 3053

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Gly Met Asp Val  
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Phe Asp Ile

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Asp Tyr

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Val

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Asp Val

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Gly Phe Asp Tyr  
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Val

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Met Asp Val

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Tyr Gly Met Asp Val  
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Val

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Gly Pro Tyr Tyr Phe Asp Tyr  
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Tyr Gly Met Asp Val  
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Val Asn Asp Ile Val Val Val Asp Met Asp Val  
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Val Thr Ser Leu Tyr Ser Ser Ser Ser Gly Gly Tyr Tyr Tyr Tyr Gly  
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Met Asp Val

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Gly Asp Ala Tyr Phe Asp Tyr  
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Gly Ala His Tyr Tyr Asp Arg Ser Pro Ser His Leu Lys Ser Tyr Trp  
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Tyr Phe Asp Leu  
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&lt;400&gt; 3150

Glu Gly Ser Ile Val Gly Ala Thr Leu Thr Ile Asn Asp Ala Phe Asp  
1 5 10 15

Ile

&lt;210&gt; 3151

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3151

Glu Lys Ala Ile Ile Glu Thr Thr Ser Gly Glu Ala Asp Pro Phe Asp  
1 5 10 15

Ile

&lt;210&gt; 3152

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3152

Thr Trp Ala Thr Asn Thr Phe Asp Met  
1 5

&lt;210&gt; 3153

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3153

Asp Gly Pro Thr Tyr Ala Arg Pro Tyr Tyr Leu Asp His  
1 5 10

&lt;210&gt; 3154

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3154

Asp Phe Gln Met Val Arg Gly Val Phe Ile Ala Asn Pro Pro Ile Tyr  
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Asn Tyr Tyr Gly Met Asp Val  
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&lt;210&gt; 3155

&lt;211&gt; 12

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Glu Arg Gly Asn Gln Ala Phe Asp Ile  
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Glu Val Gly Gly Ala Phe Asp Ile  
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Gly Asn Ser Phe Gly Arg Thr Leu Asp Tyr  
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Ala Leu Leu Gly Leu Pro Ser Asp Phe Ser Tyr Tyr Val Asp Val  
1 5 10 15

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1 5 10 15

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Leu Ile Glu Asp Phe  
1 5

<210> 3162  
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<400> 3162  
Gly Gly Val Gly Asp Ser Arg Gly Val Phe Asp Pro  
1 5 10

<210> 3163  
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Asp Trp Leu Gly Pro  
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Asp Leu Ser Arg Val Ala Gly Arg Phe Asp Tyr  
1 5 10

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<400> 3165  
Glu Phe Phe Gly Tyr Val Tyr Leu Thr Asp Tyr  
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Ala Asp Tyr Ser Asn Asp Tyr Tyr Met Asp Val  
1 5 10



<210> 3167  
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Phe Asp Leu Asp Tyr  
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Leu Leu Ser Asp Tyr  
1 5

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Gly Phe Ala Leu Tyr Lys Asp  
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Arg Leu Ile Arg Lys Ala Arg  
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Ala Ser Tyr Pro Val Pro Phe Asp Tyr  
1 5

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<400> 3172  
Val Asp Tyr Thr Asp Tyr Glu Met Gly Ala Phe Asp Leu  
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Val Arg Asp Asp Ser Ala Gly Phe Asp Tyr  
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Leu Ala Phe Asp Ile  
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Thr Gly Ile Trp Gly Tyr Tyr Phe Asp Tyr  
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<400> 3176  
Gly Leu Asp Val Tyr Ala Ile Tyr Gly Leu Asp Val  
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Gly Gly Asp Met Thr Thr Val Thr Thr Asp Tyr  
1 5 10

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<400> 3178  
Glu Ile Gly Trp Glu Gly Ala Phe Asp Ile  
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&lt;210&gt; 3179

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3179

Val Lys Arg Tyr Tyr Phe Asp Tyr  
1 5

&lt;210&gt; 3180

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3180

Glu Ala Gly Glu Val Ala Ala Ile Asp Tyr  
1 5 10

&lt;210&gt; 3181

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3181

Leu Gly Arg Asn Tyr Thr Ser Ser Trp Ser Leu Asp Tyr  
1 5 10

&lt;210&gt; 3182

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3182

Asp Arg Thr Arg Met Asp Val  
1 5

&lt;210&gt; 3183

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3183

Gly Gly Met Asp Trp Asp Phe Asp Tyr  
1 5

&lt;210&gt; 3184

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3184

Gly Leu Ala Pro Ile Val Asp Gly Gly Met Thr Asn Asp Ala Phe Asp  
1 5 10 15

Ile

<210> 3185  
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<400> 3185  
Pro Tyr Gly Ser Gly Ser Tyr Ala Phe Asp Ile  
1 5 10

<210> 3186  
<211> 10  
<212> PRT  
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<400> 3186  
Leu His Cys Thr Gly Gly Ser Cys Gly Phe  
1 5 10

<210> 3187  
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<400> 3187  
Val Asp Tyr Thr Asp Tyr Glu Met Gly Ala Phe Glu Ile  
1 5 10

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Glu Ala Gly Gly Ser Gly Ser Tyr His Phe Ser Phe Pro Phe Asp Tyr  
1 5 10 15

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Glu Ala Tyr Ala Ser Ser Trp Ala Glu Phe Asp Phe  
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Glu Ala Tyr Thr Ser Ser Trp Ala Glu Phe Asp Phe  
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<400> 3191  
Glu Leu Val Gly Ala Pro Gly Gly Phe Asp Pro  
1 5 10

<210> 3192  
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<400> 3192  
Asp Val Pro Pro Pro Asp Gly Tyr Leu Glu Val  
1 5 10

<210> 3193  
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<400> 3193  
Asp Leu Ser Gly Ser Tyr Phe Ser Arg Tyr Phe Asp Tyr  
1 5 10

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<400> 3194  
Asp Arg Ile Ala Ala Ala Gly Gly Asp Ala Phe Asp Ile  
1 5 10

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<400> 3195  
Gly Trp Arg Gly Val Asp Tyr  
1 5

<210> 3196  
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&lt;400&gt; 3196

Val Gly Asn Phe Gly Tyr Tyr Phe Glu Tyr  
1 5 10

&lt;210&gt; 3197

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3197

Asp Leu Tyr Lys Asn Gly Tyr Ala Leu Phe Asp Ser  
1 5 10

&lt;210&gt; 3198

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3198

Ser Asp Asp Trp Gly Ala Tyr His Ile  
1 5

&lt;210&gt; 3199

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3199

Ser Thr Leu Glu Val Gly Ala Thr Asp Phe Asp Tyr  
1 5 10

&lt;210&gt; 3200

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3200

Glu Gly Leu Leu Asp Ala Phe Asp Ile  
1 5

&lt;210&gt; 3201

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3201

Asp Glu Tyr Ser Ser Leu Tyr Met Asp Val  
1 5 10

&lt;210&gt; 3202

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3202

Ser Asn Trp Gly Gly Asp Ala Phe Asp Ile  
1 5 10

&lt;210&gt; 3203

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3203

Glu Ser Ser Gly Thr Leu Gly Glu Phe Ser Leu Glu Leu Pro Phe Asp  
1 5 10 15

Tyr

&lt;210&gt; 3204

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3204

Thr Ser Glu Arg Gly Thr Tyr Arg Gln Trp Asp Phe Asp Asn  
1 5 10

&lt;210&gt; 3205

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3205

His Asp Val Tyr Gly Asp Leu Phe Asp Ser  
1 5 10

&lt;210&gt; 3206

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3206

Leu Gly Val Ala Arg Gly Arg Glu Ala Phe Asp Leu  
1 5 10

&lt;210&gt; 3207

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3207

Asp Gln Gly Ile Glu Thr Ala Asn Asp Tyr  
1 5 10

<210> 3208  
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<213> Homo sapiens

<400> 3208  
Ser Val Ala Gly Arg Gly Asn Phe Asp Tyr  
1 5 10

<210> 3209  
<211> 13  
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<400> 3209  
Arg Gly Gly Thr Ser Glu Asn Tyr Ser Gly Met Asp Val  
1 5 10

<210> 3210  
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<400> 3210  
Gly Gly Trp Leu Asp Asp  
1 5

<210> 3211  
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<400> 3211  
His Asp Val Tyr Gly Asp Leu Phe Asp Tyr  
1 5 10

<210> 3212  
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<400> 3212  
Glu Thr Phe Ser His Cys Ser Gly Gly Ser Cys Tyr Pro Phe Asp Tyr  
1 5 10 15

<210> 3213  
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<212> PRT  
<213> Homo sapiens

<400> 3213  
Val Asp Ser Ser Gly Tyr Ala Tyr Tyr  
1 5



<210> 3214  
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<212> PRT  
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<400> 3214  
Ser Ser Arg Asn Gly Gly Asp Tyr  
1 5

<210> 3215  
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<212> PRT  
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<400> 3215  
Arg Thr Pro Asp His Asn Gly Asp Ser Gly Pro Pro Asp Tyr  
1 5 10

<210> 3216  
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<212> PRT  
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<400> 3216  
Val His Ser Ser Gly Ser  
1 5

<210> 3217  
<211> 12  
<212> PRT  
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<400> 3217  
Gly Lys Arg Tyr Ser Tyr Gly Trp Tyr Phe Asp Val  
1 5 10

<210> 3218  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 3218  
Leu Arg Pro Asp Ala Asp Tyr Gly Asp Tyr Gly Phe Asp Tyr  
1 5 10

<210> 3219  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 3219  
Leu Pro Pro Asp Leu Arg Tyr Cys Asp Gly Gly Met Cys Ser Gly Phe  
1 5 10 15

Asp Trp Leu Gly Pro  
20

<210> 3220  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 3220  
Asp Gly Thr Lys Tyr Asp Trp Gly Phe Asp Tyr  
1 5 10

<210> 3221  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 3221  
Leu His Cys Ser Gly Gly Ser Cys Gly Phe  
1 5 10

<210> 3222  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 3222  
Gly Pro Ile Tyr Tyr Phe Asp Gly Ser Ala Tyr Glu Gly Tyr Tyr Phe  
1 5 10 15

Asp Tyr

<210> 3223  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 3223  
Met Asn Ala Asp Ala Phe Glu Ile  
1 5

<210> 3224  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 3224  
Phe Gly Ala Gly Arg Leu Tyr Asp Asp Tyr  
1 5 10

<210> 3225  
<211> 15

<212> PRT  
 <213> Homo sapiens

<400> 3225  
 Ala Gly Gly Asn Pro Arg Ser Gly Ser Leu Val Tyr Phe Asp Tyr  
           1                          5                          10                          15

<210> 3226  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 3226  
 Gly Gly Arg Tyr Gly Tyr Tyr Tyr Asp Gly Thr Gly Tyr Val Asp Ala  
           1                          5                          10                          15

Phe Asp Ile

<210> 3227  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 3227  
 Asp Tyr Tyr Asp Gly Ser Ser Tyr Ser Ser Gly Asp Tyr Tyr Tyr Tyr  
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Met Asp Val

<210> 3228  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<400> 3228

Met Asp Asp Ser Thr Glu Arg Glu Gln Ser Arg Leu Thr Ser Cys Leu  
           1                          5                          10                          15

Lys Lys Arg Glu Glu Met Lys Leu Lys Glu Cys Val Ser Ile Leu Pro  
                           20                          25                          30

Arg Lys Glu Ser Pro Ser Val Arg Ser Ser Lys Asp Gly Lys Leu Leu  
           35                          40                          45

Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Cys Cys Leu Thr Val Val  
           50                          55                          60

Ser Phe Tyr Gln Val Ala Ala Leu Gln Gly Asp Leu Ala Ser Leu Arg  
           65                          70                          75                          80

Ala Glu Leu Gln Gly His His Ala Glu Lys Leu Pro Ala Gly Ala Gly  
                           85                          90                          95

Ala Pro Lys Ala Gly Leu Glu Glu Ala Pro Ala Val Thr Ala Gly Leu  
100 105 110

Lys Ile Phe Glu Pro Pro Ala Pro Gly Glu Gly Asn Ser Ser Gln Asn  
115 120 125

Ser Arg Asn Lys Arg Ala Val Gln Gly Pro Glu Glu Thr Val Thr Gln  
130 135 140

Asp Cys Leu Gln Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys  
145 150 155 160

Gly Ser Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser  
165 170 175

Ala Leu Glu Glu Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr  
180 185 190

Phe Phe Ile Tyr Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met  
195 200 205

Gly His Leu Ile Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu  
210 215 220

Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu  
225 230 235 240

Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly  
245 250 255

Asp Glu Leu Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu  
260 265 270

Asp Gly Asp Val Thr Phe Phe Gly Ala Leu Lys Leu Leu  
275 280 285

<210> 3229

<211> 266

<212> PRT

<213> Human sapiens

<400> 3229

Met Asp Asp Ser Thr Glu Arg Glu Gln Ser Arg Leu Thr Ser Cys Leu  
1 5 10 15

Lys Lys Arg Glu Glu Met Lys Leu Lys Glu Cys Val Ser Ile Leu Pro  
20 25 30

Arg Lys Glu Ser Pro Ser Val Arg Ser Ser Lys Asp Gly Lys Leu Leu  
35 40 45

Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Cys Cys Leu Thr Val Val  
50 55 60

Ser Phe Tyr Gln Val Ala Ala Leu Gln Gly Asp Leu Ala Ser Leu Arg  
65 70 75 80

Ala Glu Leu Gln Gly His His Ala Glu Lys Leu Pro Ala Gly Ala Gly

85 90 95  
 Ala Pro Lys Ala Gly Leu Glu Glu Ala Pro Ala Val Thr Ala Gly Leu  
 100 105 110  
 Lys Ile Phe Glu Pro Pro Ala Pro Gly Glu Gly Asn Ser Ser Gln Asn  
 115 120 125  
 Ser Arg Asn Lys Arg Ala Val Gln Gly Pro Glu Glu Thr Gly Ser Tyr  
 130 135 140  
 Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser Ala Leu Glu  
 145 150 155 160  
 Glu Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr Phe Phe Ile  
 165 170 175  
 Tyr Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met Gly His Leu  
 180 185 190  
 Ile Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu Ser Leu Val  
 195 200 205  
 Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu Pro Asn Asn  
 210 215 220  
 Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp Glu Leu  
 225 230 235 240  
 Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu Asp Gly Asp  
 245 250 255  
 Val Thr Phe Phe Gly Ala Leu Lys Leu Leu  
 260 265

<210> 3230  
 <211> 309  
 <212> PRT  
 <213> Mus musculus

<400> 3230

Met Asp Glu Ser Ala Lys Thr Leu Pro Pro Pro Cys Leu Cys Phe Cys  
 1 5 10 15  
 Ser Glu Lys Gly Glu Asp Met Lys Val Gly Tyr Asp Pro Ile Thr Pro  
 20 25 30  
 Gln Lys Glu Glu Gly Ala Trp Phe Gly Ile Cys Arg Asp Gly Arg Leu  
 35 40 45  
 Leu Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Ser Ser Phe Thr Ala  
 50 55 60  
 Met Ser Leu Tyr Gln Leu Ala Ala Leu Gln Ala Asp Leu Met Asn Leu  
 65 70 75 80  
 Arg Met Glu Leu Gln Ser Tyr Arg Gly Ser Ala Thr Pro Ala Ala Ala  
 85 90 95

Gly Ala Pro Glu Leu Thr Ala Gly Val Lys Leu Leu Thr Pro Ala Ala  
 100 105 110  
 Pro Arg Pro His Asn Ser Ser Arg Gly His Arg Asn Arg Arg Ala Phe  
 115 120 125  
 Gln Gly Pro Glu Glu Thr Glu Gln Asp Val Asp Leu Ser Ala Pro Pro  
 130 135 140  
 Ala Pro Cys Leu Pro Gly Cys Arg His Ser Gln His Asp Asp Asn Gly  
 145 150 155 160  
 Met Asn Leu Arg Asn Ile Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp  
 165 170 175  
 Ser Asp Thr Pro Thr Ile Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp  
 180 185 190  
 Leu Leu Ser Phe Lys Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys  
 195 200 205  
 Ile Val Val Arg Gln Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu  
 210 215 220  
 Tyr Thr Asp Pro Ile Phe Ala Met Gly His Val Ile Gln Arg Lys Lys  
 225 230 235 240  
 Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys  
 245 250 255  
 Ile Gln Asn Met Pro Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala  
 260 265 270  
 Gly Ile Ala Arg Leu Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro  
 275 280 285  
 Arg Glu Asn Ala Gln Ile Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly  
 290 295 300  
 Ala Leu Lys Leu Leu  
 305

<210> 3231  
 <211> 290  
 <212> PRT  
 <213> Mus musculus

<400> 3231

Met Asp Glu Ser Ala Lys Thr Leu Pro Pro Pro Cys Leu Cys Phe Cys  
 1 5 10 15  
 Ser Glu Lys Gly Glu Asp Met Lys Val Gly Tyr Asp Pro Ile Thr Pro  
 20 25 30  
 Gln Lys Glu Glu Gly Ala Trp Phe Gly Ile Cys Arg Asp Gly Arg Leu  
 35 40 45  
 Leu Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Ser Ser Phe Thr Ala  
 50 55 60

Met Ser Leu Tyr Gln Leu Ala Ala Leu Gln Ala Asp Leu Met Asn Leu  
65 70 75 80

Arg Met Glu Leu Gln Ser Tyr Arg Gly Ser Ala Thr Pro Ala Ala Ala  
85 90 95

Gly Ala Pro Glu Leu Thr Ala Gly Val Lys Leu Leu Thr Pro Ala Ala  
100 105 110

Pro Arg Pro His Asn Ser Ser Arg Gly His Arg Asn Arg Arg Ala Phe  
115 120 125

Gln Gly Pro Glu Glu Thr Glu Gln Asp Val Asp Leu Ser Ala Pro Pro  
130 135 140

Ala Pro Cys Leu Pro Gly Cys Arg His Ser Gln His Asp Asp Asn Gly  
145 150 155 160

Met Asn Leu Arg Asn Arg Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser  
165 170 175

Phe Lys Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys Ile Val Val  
180 185 190

Arg Gln Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp  
195 200 205

Pro Ile Phe Ala Met Gly His Val Ile Gln Arg Lys Lys Val His Val  
210 215 220

Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn  
225 230 235 240

Met Pro Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala  
245 250 255

Arg Leu Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn  
260 265 270

Ala Gln Ile Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys  
275 280 285

Leu Leu  
290

&lt;210&gt; 3232

&lt;211&gt; 239

&lt;212&gt; PRT

&lt;213&gt; Rattus rattus

&lt;400&gt; 3232

Ala Val Gln Ala Asp Leu Met Ser Leu Arg Met Glu Leu Gln Ser Tyr  
1 5 10 15

Arg Ser Ser Ala Thr Pro Ala Ala Pro Gly Ala Pro Gly Leu Ser Ala  
20 25 30

Gly Val Lys Leu Pro Thr Pro Ala Ala Pro Gly Pro His Asn Ser Ser

2690

35 40 45  
 Arg Gly Gln Arg Asn Arg Arg Ala Phe Gln Gly Pro Glu Glu Thr Glu  
 50 55 60  
 Gln Asp Val Asp Leu Ser Ala Thr Pro Ala Pro Ser Leu Pro Gly Asn  
 65 70 75 80  
 Cys His Ala Ser His His Asp Glu Asn Gly Leu Asn Leu Arg Thr Ile  
 85 90 95  
 Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp Ser Asn Thr Pro Thr Ile  
 100 105 110  
 Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg  
 115 120 125  
 Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln Thr  
 130 135 140  
 Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile Phe  
 145 150 155 160  
 Ala Met Gly His Val Ile Gln Arg Lys Lys Ile His Val Phe Gly Asp  
 165 170 175  
 Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Lys  
 180 185 190  
 Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu  
 195 200 205  
 Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile  
 210 215 220  
 Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys Leu Leu  
 225 230 235  
 <210> 3233  
 <211> 220  
 <212> PRT  
 <213> Rattus rattus  
 <400> 3233  
 Ala Val Gln Ala Asp Leu Met Ser Leu Arg Met Glu Leu Gln Ser Tyr  
 1 5 10 15  
 Arg Ser Ser Ala Thr Pro Ala Ala Pro Gly Ala Pro Gly Leu Ser Ala  
 20 25 30  
 Gly Val Lys Leu Pro Thr Pro Ala Ala Pro Gly Pro His Asn Ser Ser  
 35 40 45  
 Arg Gly Gln Arg Asn Arg Arg Ala Phe Gln Gly Pro Glu Glu Thr Glu  
 50 55 60  
 Gln Asp Val Asp Leu Ser Ala Thr Pro Val Pro Ser Leu Pro Gly Asn  
 65 70 75 80



Cys His Ala Ser His His Asp Glu Asn Gly Leu Asn Leu Arg Thr Arg  
85 90 95

Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Asn Ala  
100 105 110

Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln Thr Gly Tyr Phe  
115 120 125

Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile Phe Ala Met Gly  
130 135 140

His Val Ile Gln Arg Lys Lys Ile His Val Phe Gly Asp Glu Leu Ser  
145 150 155 160

Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Lys Thr Leu Pro  
165 170 175

Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp  
180 185 190

Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Arg Asn  
195 200 205

Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys Leu Leu  
210 215 220

<210> 3234

<211> 207

<212> PRT

<213> Rattus rattus

<400> 3234

Ala Val Gln Ala Asp Leu Met Ser Leu Arg Met Glu Leu Gln Ser Tyr  
1 5 10 15

Arg Ser Ser Ala Thr Pro Ala Ala Pro Gly Ala Pro Gly Leu Ser Ala  
20 25 30

Gly Val Lys Leu Pro Thr Pro Ala Ala Pro Gly Pro His Asn Ser Ser  
35 40 45

Arg Gly Gln Arg Asn Arg Arg Ala Phe Gln Gly Pro Glu Glu Thr Val  
50 55 60

Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp Ser Asn Thr Pro Thr Ile  
65 70 75 80

Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg  
85 90 95

Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln Thr  
100 105 110

Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile Phe  
115 120 125

Ala Met Gly His Val Ile Gln Arg Lys Lys Ile His Val Phe Gly Asp  
130 135 140

Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Lys  
145 150 155 160

Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu  
165 170 175

Glu Gly Asp Glu Val Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile  
180 185 190

Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys Leu Leu  
195 200 205

<210> 3235

<211> 188

<212> PRT

<213> Rattus rattus

<400> 3235

Ala Val Gln Ala Asp Leu Met Ser Leu Arg Met Glu Leu Gln Ser Tyr  
1 5 10 15

Arg Ser Ser Ala Thr Pro Ala Ala Pro Gly Ala Pro Gly Leu Ser Ala  
20 25 30

Gly Val Lys Leu Pro Thr Pro Ala Ala Pro Gly Pro His Asn Ser Ser  
35 40 45

Arg Gly Gln Arg Asn Arg Arg Ala Phe Gln Gly Pro Glu Glu Thr Gly  
50 55 60

Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Asn Ala  
65 70 75 80

Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln Thr Gly Tyr Phe  
85 90 95

Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile Phe Ala Met Gly  
100 105 110

His Val Ile Gln Arg Lys Lys Ile His Val Phe Gly Asp Glu Leu Ser  
115 120 125

Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Lys Thr Leu Pro  
130 135 140

Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp  
145 150 155 160

Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Arg Asn  
165 170 175

Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys Leu Leu  
180 185

<210> 3236

<211> 243

<212> PRT

<213> Macaca fascicularis

&lt;400&gt; 3236

Lys Asp Arg Lys Leu Leu Ala Ala Ala Leu Leu Leu Ala Leu Leu Ser  
1 5 10 15

Cys Cys Leu Met Val Val Ser Phe Tyr Gln Val Ala Ala Leu Gln Gly  
20 25 30

Asp Leu Ala Ser Leu Arg Ala Glu Leu Gln Gly His His Ala Glu Lys  
35 40 45

Leu Pro Ala Arg Ala Arg Ala Pro Lys Ala Gly Leu Gly Glu Ala Pro  
50 55 60

Ala Val Thr Ala Gly Leu Lys Ile Phe Glu Pro Pro Ala Pro Gly Glu  
65 70 75 80

Gly Asn Ser Ser Gln Ser Ser Arg Asn Lys Arg Ala Ile Gln Gly Ala  
85 90 95

Glu Glu Thr Val Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp Ser Glu  
100 105 110

Thr Pro Thr Ile Gln Lys Gly Ser Tyr Thr Phe Val Pro Trp Leu Leu  
115 120 125

Ser Phe Lys Arg Gly Ser Ala Leu Glu Glu Lys Glu Asn Lys Ile Leu  
130 135 140

Val Lys Glu Thr Gly Tyr Phe Phe Ile Tyr Gly Gln Val Leu Tyr Thr  
145 150 155 160

Asp Lys Thr Tyr Ala Met Gly His Leu Ile Gln Arg Lys Lys Val His  
165 170 175

Val Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln  
180 185 190

Asn Met Pro Glu Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile  
195 200 205

Ala Lys Leu Glu Glu Gly Asp Glu Leu Gln Leu Ala Ile Pro Arg Glu  
210 215 220

Asn Ala Gln Ile Ser Leu Asp Gly Asp Val Thr Phe Phe Gly Ala Leu  
225 230 235 240

Lys Leu Leu

&lt;210&gt; 3237

&lt;211&gt; 219

&lt;212&gt; .PRT

&lt;213&gt; Macaca mulatta

&lt;400&gt; 3237

Tyr Gln Val Ala Ala Val Gln Gly Asp Leu Ala Ser Leu Arg Ala Glu  
1 5 10 15

Leu Gln Ser His His Ala Glu Lys Leu Pro Ala Arg Ala Arg Ala Pro  
                   20                                  25                                  30  
 Lys Ala Gly Leu Gly Glu Ala Pro Ala Val Thr Ala Gly Leu Lys Ile  
           35                                  40                                  45  
 Phe Glu Pro Pro Ala Pro Gly Glu Gly Asn Ser Ser Gln Ser Ser Arg  
           50                                  55                                  60  
 Asn Lys Arg Ala Ile Gln Gly Ala Glu Glu Thr Val Ile Gln Asp Cys  
           65                                  70                                  75                                  80  
 Leu Gln Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys Gly Ser  
                   85                                  90                                  95  
 Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser Ala Leu  
                   100                                  105                                  110  
 Glu Glu Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr Phe Phe  
           115                                  120                                  125  
 Ile Tyr Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met Gly His  
           130                                  135                                  140  
 Leu Ile Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu Ser Leu  
           145                                  150                                  155                                  160  
 Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu Pro Asn  
                   165                                  170                                  175  
 Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp Glu  
           180                                  185                                  190  
 Leu Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu Asp Gly  
           195                                  200                                  205  
 Asp Val Thr Phe Phe Gly Ala Leu Lys Leu Leu  
           210                                  215

<210> 3238  
 <211> 8  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <221> site  
 <222> (1)..(8)  
 <223> Flag Tag

<400> 3238

Asp Tyr Lys Asp Asp Asp Asp Lys  
   1                                  5

<210> 3239  
 <211> 250  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 3239

Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly  
1 5 10 15

Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp  
20 25 30

Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu  
35 40 45

Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg  
50 55 60

Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp  
65 70 75 80

Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn  
85 90 95

Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys  
100 105 110

Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys  
115 120 125

Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg  
130 135 140

Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala  
145 150 155 160

Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe  
165 170 175

Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr  
180 185 190

Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr  
195 200 205

Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile  
210 215 220

Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro  
225 230 235 240

His Gly Thr Phe Leu Gly Phe Val Lys Leu  
245 250

&lt;210&gt; 3240

&lt;211&gt; 247

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3240

Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Arg Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Pro Ser Gly Tyr Pro Phe Ser Gly Asn  
 20 25 30  
 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
 35 40 45  
 Gly Trp Ile Asn Pro Asn Ser Gly Asp Thr Lys Tyr Ser Gln Lys Phe  
 50 55 60  
 Gln Gly Trp Val Thr Met Thr Arg Asp Thr Ser Val Ser Thr Val Tyr  
 65 70 75 80  
 Met Glu Leu Asn Arg Leu Lys Ser Asp Asp Thr Ala Ile Tyr Tyr Cys  
 85 90 95  
 Ala Arg Glu Gln Tyr Asp Thr Leu Thr Gly Ser Pro Tyr Gly Met Asp  
 100 105 110  
 Val Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly  
 115 120 125  
 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr  
 130 135 140  
 Gln Ser Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile  
 145 150 155 160  
 Thr Cys Arg Ala Ser Gln Gly Ile Asn Asn Tyr Leu Ala Trp Tyr Gln  
 165 170 175  
 Gln Lys Pro Gly Arg Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Ser  
 180 185 190  
 Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr  
 195 200 205  
 Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr  
 210 215 220  
 Tyr Tyr Cys Leu Gln Asp Ser Asp Tyr Pro Leu Thr Phe Gly Gly Gly  
 225 230 235 240  
 Thr Lys Leu Glu Ile Lys Arg  
 245

&lt;210&gt; 3241

&lt;211&gt; 245

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3241

Lys Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr  
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Leu Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Lys Leu Asn Ser Leu Arg Gly Gly His Asp Tyr Trp Gly Arg Gly  
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val  
 130 135 140

Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Thr  
 145 150 155 160

Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly  
 165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly  
 180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Ser Asn Ser Ala Ser Leu  
 195 200 205

Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala  
 210 215 220

Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly Thr Lys  
 225 230 235 240

Leu Thr Val Leu Gly  
 245

<210> 3242  
 <211> 247  
 <212> PRT  
 <213> Homo sapiens

<400> 3242  
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Leu Gly Asn Tyr  
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Ala Ile Ile Pro Asn Phe Gly Thr Thr Asn Tyr Val Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
                             85                            90                            95  
 Ala Arg Gly Ala Ser Ser Gly Trp Tyr Asp Tyr Tyr Tyr Tyr Met Asp  
                             100                            105                            110  
 Val Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly  
                             115                            120                            125  
 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr  
                             130                            135                            140  
 Gln Ser Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile  
                             145                            150                            155                            160  
 Thr Cys Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln  
                             165                            170                            175  
 Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser  
                             180                            185                            190  
 Leu Ala Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr  
                             195                            200                            205  
 Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr  
                             210                            215                            220  
 Tyr Tyr Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly  
                             225                            230                            235                            240  
 Thr Lys Leu Glu Ile Arg Arg  
                             245  
  
 <210> 3243  
 <211> 251  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 3243  
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
   1                            5                            10                            15  
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Ser  
                             20                            25                            30  
 Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
                             35                            40                            45  
 Gly Trp Ile Asn Gly Tyr Asn Gly Asn Thr Lys Tyr Ala Gln Lys Phe  
                             50                            55                            60  
 Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Thr Thr Ala Tyr  
                             65                            70                            75                            80  
 Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
                             85                            90                            95  
  
 Ala Arg Asp Ser Tyr Asp Ile Leu Thr Asp Tyr Tyr Asn Met Ile Met  
                             100                            105                            110



Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
 115 120 125  
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
 130 135 140  
 Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
 145 150 155 160  
 Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
 165 170 175  
 Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
 180 185 190  
 Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
 195 200 205  
 Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
 210 215 220  
 Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
 225 230 235 240  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
 245 250

&lt;210&gt; 3244

&lt;211&gt; 253

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3244

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15  
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Phe Ala Phe Ser Ser Tyr  
 20 25 30  
 Asp Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45  
 Gly Trp Met Asn Pro Lys Ser Gly Lys Thr Gly Tyr Ala Gln Asn Phe  
 50 55 60  
 Gln Gly Arg Val Thr Met Thr Arg Asn Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80  
 Met Glu Leu Ser Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr Phe Cys  
 85 90 95  
 Ala Arg Gly Phe Thr Gly Tyr Asp Ile Leu Thr Asp Tyr Tyr Ser Val  
 100 105 110  
 Asp Tyr Phe Asp Ser Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125  
 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala  
 130 135 140

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Leu Pro Val Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Gln  
145 150 155 160

Thr Ala Arg Ile Thr Cys Gly Gly Ser Ser Ile Gly Arg Lys Ser Val  
165 170 175

His Trp Tyr Gln Gln Ser Pro Gly Gln Ala Pro Val Leu Val Val Tyr  
180 185 190

Asp Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser  
195 200 205

Asn Ser Gly Asp Thr Ala Thr Leu Thr Ile Ser Arg Val Glu Val Gly  
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Ile Asn Ser Asp His  
225 230 235 240

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 3245

<211> 251

<212> PRT

<213> Homo sapiens

<400> 3245

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Asn Ile Lys Gln Asp Gly Ser Gly Lys Tyr Tyr Val Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Pro Arg Tyr Asp Ile Leu Thr Gly Tyr Leu Tyr Gly Met  
100 105 110

Asp Val Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu  
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile  
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser  
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu  
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys  
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp  
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val  
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250

<210> 3246

<211> 258

<212> PRT

<213> Homo sapiens

<400> 3246

Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn  
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu  
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Tyr Asn Asp Tyr Ala  
50 55 60

Val Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn  
65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val  
85 90 95

Tyr Tyr Cys Ala Arg Glu Gly Ala His Tyr Asp Ile Leu Thr Gly His  
100 105 110

Asn Tyr Tyr His Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Met Val  
115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
130 135 140

Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Ser  
145 150 155 160

Pro Gly Gln Ser Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val  
165 170 175

Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala  
180 185 190

Pro Lys Phe Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Val Ser  
195 200 205

Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile  
210 215 220

Ser Gly Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr  
225 230 235 240

Thr Ser Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val  
245 250 255

Leu Gly

<210> 3247

<211> 250

<212> PRT

<213> Homo sapiens

<400> 3247

Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr  
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met  
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe  
100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly  
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr  
130 135 140

Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser  
145 150 155 160

Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp  
165 170 175

Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly  
180 185 190

Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser  
195 200 205

Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu  
210 215 220

Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe  
225 230 235 240

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly  
245 250